

Scout Report



Noted in the NID file



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A. or
operations suspended

6-6-54

Pin changed on location map



Affidavit and Record of A & P



Water Shut-Off Test



Gas-Oil Ratio Test



Well Log Filed



FILE NOTATIONS

Entered in NID File

X

Checked by Chief

X

Entered On S R Sheet

X

Copy NID to Field Office

X

Location Map Pinned

X

Approval Letter

X

Card Indexed

X

Disapproval Letter

IWR for State or Fee Land

COMPLETION DATA: Recompleted 9-16-60

Date Well Completed

6-6-57

Location Reported

OW X

WW

TA

Bond

GW

OS

PA

State of Fee Land

LOGS FILED

Driller's Log

8-16-57

Electric Logs (No.)

1 5

E

✓

I

✓

E-I

✓

GR

GR-N

✓

Micro

✓

Site

✓

Well

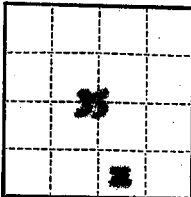
Sonic

Others

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock,
Arizona
Allottee Tribal lands
Lease No. 14-29-603-229



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 24, 1957

Well No. Tehonadila is located 660 ft. from TX line and 1900 ft. from E line of sec. 35

SW/4 SE/4 35 11E 21E 31E
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface of the ground~~ is 4680 ft. (Approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Exploration Well)

1. Drill 11" hole to 1000'.
2. Cement 8 5/8" casing at 1000' with 225 sacks construction cement.
3. Drill 7 7/8" hole to total depth of 6300' (Oway).
4. If commercial production is obtained, a supplementary notice will be issued, otherwise plug and abandon in accordance with U.S.G.S. regulations.

Surface formation is Jurassic - San Rafael Group.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 33 Richards Street

Salt Lake City, Utah

By B. W. Shepard

Title B. W. Shepard
Exploration Engineer

R. 21E. S.L.M.

(S.89°56'W - 160.00) RECORD

N

26

25

(NORTH - 160.00) RECORD

T. 41S.

Tr. 22

N. 0°01'W - 10560'

35

36

ELEVATION DATA

GROUND
MATT
D.F.
K.B.
B.M.

T. 41S.
T. 42S.

LOCATION
TOHONALDA-1

45°
1980'
660'

N. 89°57'E - 5279.4

(80.00) RECORD

REFERENCE POINT DATUM-

1"X2" STAKES SET AT 10' N, S, E, & W. OF LOC.

1/2" STEEL ROD & FLAG SET 150' N, S, E, & W. OF LOC.

1/2" STEEL ROD & 8' FLAG SET AT LOC. BEING 1980' WEST & 660' NORTH OF THE SE CORNER OF SEC. 35, T. 41S., R. 21E. S.L.M.

HUB & GUARD BEARS N. 55°52'E. - 484.0' FROM THE LOC. FOR B.M.

⊙ = B.L.M. BRASS CAP FOUND

● = SEC. COR. & TR. COR. SET BY J.A.K.

This is to certify that the above plat was prepared from field notes of actual surveys made by me on the 9th. and 10th. days of March, 1957, and that the same are true and correct to the best of my knowledge and belief.

March 12, 1957

John A. Kroeger
John A. Kroeger
Reg. Land Surveyor
Utah Reg. No. 1648



Drawn By: A.C.T.

Checked By: J.A.K.

Date: 3/11/57

SHELL OIL COMPANY

Scale 1"=2000'

Z 16-738

LOCATION OF TOHONADALA No. 1- -
SAN JUAN COUNTY, UTAH, Tr. 22, Sec. 35,
T. 41S., R. 21E., S.L.M.

14

March 19, 1957

Shell Oil Company
33 Richards Street
Salt Lake City, Utah

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Tohonadla 1, which is to be located 660 feet from the south line and 1980 feet from the east line of Section 35, Township 41 South, Range 21 East, SEBM, San Juan County.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:cn

cc: Phil McGrath/ Mr. Long
USGS, Farmington,
New Mexico

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SHELL OIL COMPANY

WELL NO. 1

DRILLING REPORT

FOR PERIOD ENDING

35

(SECTION OR LEASE)

Tohonadla

(FIELD)

San Juan, Utah

(COUNTY)

5-9-57T41S, R21E

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
4-4	0	37	Location: 660' N and 1980' W of SE Corner Sec. 35, T41S, R21E, SLBM, San Juan County, Utah. Elevations: Mat 4665 DF 4675 KB 4676
4-5 to 4-8	37	732	Spudded 1:00 P.M. 4-4-57. Cemented 37' of 15" conductor pipe. <u>Drilled 695'</u> .
4-9 to 4-11	732	1094	<u>Drilled 362'</u> . Ran and cemented 996' of 8-5/8" 28#, H-40 casing at 1008 with 250 cu. ft. of pozzo mix followed by 100 sacks of cement. Good cement returns to surface. Flanged up and waited on cement. Pressure tested BOP and casing with 700 psi for 15 minutes, OK. Located top of cement at 940'.
4-12 to 5-7	1094	4960	<u>Drilled 3866'</u> . Lost cone at 3373', recovered with magnet and Globe basket.
5-8 to 5-9	4960	5050	<u>Drilled 32'</u> . Cut Core #1 4992-5050 Recovered 54'. DST #1 4995-5050. (Basal Upper Hermosa) Johnson testers. Ran tester with 2 BT 6-5/8 packers 4989 and 4995. Four pressure recorders "T" @ 4973, "T" @ 5032, Amerada @ 5038 and "L" @ 5045'. 3/4" subsurface bean and 1" surface bean; perforations 5000'-5029', no water cushion, 30' (0.15 bbl.) air cushion. Initial shut in 20 minutes. Open 55 minutes, final shut in 45 minutes. Immediate strong air blow, gas to surface in 5 minutes, oil to surface in 36 minutes, 528 B/D rate estimated, 37.1° API, cut .15%. Attempted to reverse out, would not circulate with 1000 psi. Recovered 250' heavily oil gas cut mud. Salinity of mud before test 660 ppm (t) Na Cl, ISIP 1910, IFP 315, FFP 685, FSIP 1895 (nearly stb.), HP 2700. Checked BOP daily.
CONDITION AT BEGINNING OF PERIOD			
HOLE		CASING SIZE	DEPTH SET
SIZE	FROM	TO	
5			
DRILL PIPE SIZES			

Mud Summary
4-4-57 to 5-9-57
Wt. 9.8#/gal.
Vis. 45. sec.
WL 7.7 cc
FC 2/32"
PH 7.4

L. L. Aubert

SIGNED

SHELL OIL COMPANY

WELL NO. 1

Tohonadla

(FIELD)

DRILLING REPORT

FOR PERIOD ENDING

35

(SECTION OR LEASE)

San Juan, Utah

(COUNTY)

5-22-57

T41S, R32E

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
5-10 to 5-12	5050	5166	<u>Cored 110'. Core #2 5050-5108 Recovered 58' and Core #3 5108-5166 Recovered 50'. DST #2 5086-5166 (Paradox) Johnson Testers. Ran tester with 2 BT 6-5/8" packers at 5080 and 5086. Four pressure recorders, "T" @ 5055, Amerada @ 5148, "T" @ 5155 and "L" @ 5161. 3/4" subsurface bean and 1" surface bean, no water cushion, 60' (0.30 bbl.) air cushion. Initial shut in 20 minutes, open 2 hours, final shut in 45 minutes, faint initial air blow decreasing slightly after 1 hour. Recovered 25' (.12) mud and 60' (.3 bbl.) slightly gas cut mud. ISIP 50, IFP 40, FFP 50, FSIP 70 (nearly stb.), HP 2647.</u>
5-13 to 5-15	5166	5250	<u>Cored 84'. Core #4 5166-5224. Recovered 54' and Core #5 5224-5250 recovered 26'. Ran Induction Electrical log, Microlog and Gamma Ray Neutron log. (6' depth correction).</u>
5-16 to 5-20	5256	5665	<u>Drilled 409'.</u>
5-21	5665	5695	<u>Drilled 30'. DST #3 5527-5665 (Paradox) Johnson testers. Ran tester with 2 BT 6-5/8" packers at 5521 and 5532. Four pressure recorders "T" @ 5532, "T" @ 5647, Amerada @ 5653 and "L" @ 5660, 3/4" sub-surface bean and 1" surface bean, no water cushion, used 60' (0.29 bbl.) air cushion. Initial shut in 20 minutes, open 2-1/2 hours, final shut in 45 minutes, moderate blow air immediately. Gas to surface in 13 minutes, rate nil. Recovered 2100' (30 bbls.) heavily oily gas cut mud and muddy gassy oil (35° API). Salinity of mud before test 825 ppm (t) Na Cl, mud after test 105,000 ppm (t) Na Cl. ISIP 2185, IFP 550, FFP 1030, FSIP 1835, HP 2955. Ran Gamma Ray-Neutron log, Electrical Survey and Induction Log.</u>
5-22	5695	--	<u>DST #4 5537-5552 (Paradox) (Straddle test) Johnson testers. Ran tester with 3 BT packers 5530 + 5537 and 5552. Four pressure recorders 2 "T" @ 5512 and 5518, Amerada @ 5552 and "L" @ 5690, 3/4" subsurface bean and 1" surface bean. Used 30' (0.15 bbl.) air cushion. Initial shut in 20 minutes. Open 2-1/2 hrs. Final shut in 75 minutes. Weak steady air blow throughout test. Recovered 160' (0.8 bbls) slightly oil and gas cut mud. Salinity 3900 ppm (t) Na Cl Mud before test 2900 ppm (t) Na Cl. ISIP 270, IFP 60, FFP 95, FSIP 1430 (still rising), HP 2895.</u>
CONDITION AT BEGINNING OF PERIOD			Checked BOP Daily Mud Summary 5-10-57 to 5-22-57
HOLE		CASING SIZE	
SIZE	FROM	TO	
11" 7-7/8"	0 1094	1094 5050	
DRILL PIPE SIZES		4-1/2"	

Checked BOP Daily
Mud Summary 5-10-57 to 5-22-57

L. L. Aubert

SIGNED

SHELL OIL COMPANY

WELL NO. 1

Tohonadla

(FIELD)

DRILLING REPORT

FOR PERIOD ENDING

35

(SECTION OR LEASE)

San Juan, Utah

(COUNTY)

6-6-57

T41S, R32E

(TOWNSHIP OR RANGHO)

DAY	DEPTHS		REMARKS	
	FROM	TO		
57				
5-23	5695	5733	Drilled 38'. DST #5 5559-5590 (Paradox) (straddle test) Johnston testers. Ran tester with 3 6-5/8" BT packers. 5552 + 5559 and 5590'. Four pressure recorders "T" @ 5534, "T" @ 5569, Amerada 5585, "L" 5690, 3/4" subsurface bean and 1" surface bean. Used 30' (0.15 bbl.) air cushion. Initial shut in 20 minutes. Open 2-1/2 hours, final shut in 75 minutes. Moderate blow air immediately. Gas to surface in 29 minutes, rate nil. Recovered 625' (6.4 bbls.) slightly gassy muddy oil, 37° gravity API, no water, 4-5% mud cut. ISIP 2040, IFP 155, FFP 325, FSIP 1845, HP 2905.	
5-24 to 6-1	5733	6345	Drilled 614'. Ran Electrical Survey, Microlog, Gamma Ray-Neutron Log and Laterolog. (Corrected Total Depth)	
6-2	6345	TD	DST #6 6265-6345 (Miss. Dolomite) Johnston testers. Ran tester with 2 6-5/8" BT packers at 6259 and 6265. Four pressure recorders 2 "T"'s 6243 and 6248, Amerada @ 6333, "L" @ 6340', 3/4" subsurface bean and 1" surface bean. Used 30' (.15 bbl.) air cushion. Initial shut in 30 minutes, open 2 hours. Shut in 2 hrs. Weak initial blow increasing to moderate in 5 minutes. Recovered 2200' (28.5 bbl.) including 450' water cut mud, 450' slightly muddy water and 1300' water, salinity 78,400 ppm (t) Na Cl. Mud before test 1320 ppm (t) Na Cl, ISIP 2365, IFP 170, FFP 965, FSIP 2380, (nearly stb), HP 3350.	
6-3	6345	TD	With blank drill pipe hung at 6200' plugged with 100 sacks construction cement.	
6-4			Ran and cemented 5700' of 5-1/2" 15.5# ST&C casing at 5710' with 250 sacks construction cement. Cement slurry 15.5#/gal., 10 bbl. water ahead equipped with 26 scratchers and 53 scratchalizers.	
6-5			Displaced mud with water, ran Gamma Ray-log with collar locator. Perforated four 1/2" holes/ft. 5602-5616. Hung 2-3/8" tubing at 5620', packer at 5585'.	
6-6			Washed perforations with 200 gal Dowell mud acid in 4 stages. Swabbed approximately 13 hours, 140 bbl. gross, average cut 90% water, 90,000 ppm (t) Na Cl, insufficient gas to measure, fluid level 1500-3000' while swabbing.	
CONDITION AT BEGINNING OF PERIOD			Checked BOP Daily Mud Summary 5-23-57 to 6-1-57	
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11"	0	1094	8-5/8"	1008
7-7/8"	1094	5695		
DRILL PIPE SIZES 4-1/2"				

L. L. Aubert

SIGNED

SHELL OIL COMPANY

WELL NO. 1

DRILLING REPORT

FOR PERIOD ENDING

6-13-57

35

(SECTION OR LEASE)

T41S, R32E

(TOWNSHIP OR RANGHO)

Tohonadla

(FIELD)

San Juan, Utah

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
6-7	6345	TD	Ran squeeze tool, squeezed away 14 sacks cement through perforations 5602-5616. Pressure 5000 psi with 14 sacks in formation back-scuttled 32 sacks cement.
6-8			Waited on cement 12 hours. WSO #1 shot 4 holes at 5581. (Johnston shoot-N-test tool). Open 1 hr. 30 min., very weak blow dead after 25 minutes. Final shut in 45 minutes. Recovered 120' water. Perforated four 1/2" holes/ft. 5541-5550, 5555-5569, 5574-5581. Ran 2-3/8" tubing 5580, packer 5490, washed perforations with 500 gal mud acid, injected 2000 gal. XFW acid, initial pressure 2000 psi, rate 0.1 bbl/min. pressure gradually increased to 2500 psi in 15 min. Pressure raised to 2600 psi in 35 minutes. Acid was flushed with 20 bbl. water, 2 bbl/min. Maximum pressure of 2600 psi decreased to 1500 psi after 15 minutes.
6-9 to 6-12	6345	TD	Swabbed. Lost ball and swab cups. Fished 8 hours and recovered. Swabbed approximately 400 bbl. ± bbls. gross fluid, average cut 25-50% water. Final swabbing test (4 hours) 42.5 bbls. gross (cut 26% water, 130,000 ppm (t) Na Cl) 31 bbls. net rate 255 B/D gross, 189 B/D clean, fluid level 2100-2300'.
6-13			Set bridge plug at 5100' with 2 sacks cement on top. Perforated four 1/2" holes/ft. 4990-5050. Washed perforations with 500 gal. mud acid (tubing 5047, packer 4955) in four 15 minute stages of 125 gal. each. Injected 2000 gal. XFW acid, initial pressure 2500 psi rate 0.2 bbl/min. pressure increased to 2700 psi, same rate for 30 minutes. Rate increased to 2.7 bbl/min at 1000 psi, maximum for 10 minutes. Acid flushed with 20 bbl. of water 4 bbl/min. 1000 psi. Swabbed well in flowed 5 hours. Released Rig 3:00 P.M. 6-13-57
			INITIAL PRODUCTION Flowing 1450 B/D gross, 1443 B/D clean cut 0.5%, 39° API gravity, 1200 MCF/D GOR 830, 48/64" bean, TP 220. Completed 6-13-57.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11"	0	1094	8-5/8"	1008'
7-7/8"	1094	6345	5-1/2"	5710'
DRILL PIPE SIZE 4-1/2"				

New Drilling Company

Tool Pusher: A. J. Lindsey

Drillers: J. D. Williams

R. L. Fisher

B. J. Fisher

L. L. Aubert

SIGNED

Examined by L. L. Aubert 580 1530
to _____
to _____

Well	Tohonadla 1
Field or Area	Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES XXXXXX NOT LAGGED
580	670	100	<u>Sandstone</u> , tan-orange, medium-fine, sub-rounded, slightly calcareous.	
670	700	50	<u>Sandstone</u> , as above.	
		50	<u>Sandstone</u> , orange, fine-very fine, calcareous.	
700	730	100	<u>Shale</u> , orange, silty, calcareous.	
730	760	50	<u>Shale</u> , as above.	
		50	<u>Sandstone</u> , tan-orange, fine-medium, angular-sub-rounded, slightly calcareous.	
760	820	100	<u>Sandstone</u> , as above.	
820	930	100	<u>Sandstone</u> , as above, becoming brown, with quartz pebbles and Chert fragments.	
930	950	100	<u>Sandstone</u> , tan, fine-medium, sub-rounded well sorted, slightly calcareous.	
950	980	25	<u>Sandstone</u> , as above.	
		75	<u>Sandstone</u> , orange, fine-medium, sub-rounded, well sorted, calcareous.	
980	1010	100	<u>Sandstone</u> , as above becoming tan with Chert pebbles.	
1010	1035	-	No samples.	<u>TOP CHINLE - 980</u>
1035	1050	100	<u>Sandstone</u> , orange, very fine, angular-sub-rounded, well sorted, calcareous with Chert fragments.	
		tr	<u>Limestone</u> , pink, III FA, silty.	
1050	1130	100	<u>Sandstone</u> , as above.	
1130	1210	100	<u>Sandstone</u> , orange-brown, very fine, silty, calcareous.	
1210	1350	100	<u>Siltstone</u> , orange-brown, calcareous.	
1350	1480	100	<u>Shale</u> , red-brown to orange, occasionally mottled, gray-green, soft, calcareous.	
1480	1490	100	<u>Siltstone</u> , orange, slightly calcareous.	
1490	1510	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , I VFA, tan, mottled red.	
1510	1520	100	<u>Siltstone</u> , as above.	
1520	1530	100	<u>Sandstone</u> , orange, very fine-silty, very calcareous.	

DITCH SAMPLES

Examined by L.L. Aubert ¹⁵³⁰ to ²¹¹⁰
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
1530	1550	100	<u>Sandstone</u> , as above, with Chert pebbles.	
1550	1560	100	<u>Siltstone</u> , as above.	
1560	1570	100	<u>Shale</u> , red, mottled white, sandy, very calcareous.	
1570	1590	100	<u>Shale</u> , red, mottled green, soft, very calcareous.	
1590	1600	50	<u>Shale</u> , as above.	
		50	<u>Limestone</u> , tan-light brown, I VFA.	
1600	1740	100	<u>Limestone</u> , light red, mottled green becoming purple, mottled tan, III FA, silty.	
1740	1750	50	<u>Sandstone</u> , white-brown-green-orange speckled, angular-well rounded, poorly sorted, very calcareous, Chert.	
		50	<u>Sandstone</u> , purple-brown, angular-sub-rounded, poorly sorted, micaceous.	
1750	1760	50	<u>Sandstone</u> , as above.	<u>TOP SHINARUMP - 1740</u>
		50	<u>Shale</u> , light gray, silty.	
1760	1780	100	Same as above with trace green bentonitic Shale.	
1780	1810	100	<u>Sandstone</u> , light green-white, medium-course, angular-sub-rounded interbedded with green bentonitic Shale with Limestone pellets.	
1810	1890	100	<u>Shale</u> , light gray and dark purple, interbedded, very soft.	
1890	1940	100	<u>Shale</u> , ochre and light gray, silty, calcareous, probably thinly interbedded gray Limestone.	
				<u>TOP MOENKOPI - 1810</u>
1940	2000	100	<u>Shale</u> , dark gray, hard, blocky interbedded with Shale as above.	
2010	2020	100	<u>Shale</u> , light gray-green, silty, very soft, calcareous.	
2020	2030	100	Sandstone, pale orange, occasional white, fine angular-well rounded, very calcareous, micaceous.	
		tr	<u>Limestone</u> , white, I VFA.	<u>TOP DE CHELLY - 2010</u>
2030	2060	100	<u>Sandstone</u> , as above.	
2060	2110	50	<u>Sandstone</u> , as above.	
		50	<u>Sandstone</u> , green-white, fine, angular-well rounded, very calcareous.	

DITCH SAMPLES

Examined by L.L. Aubert 2110 2840
 _____ to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
2110	2130	100	<u>Sandstone</u> , pale orange as above becoming fine-medium with coarsely rounded frosted sand grains.	
2130	2180	100	<u>Sandstone</u> , as above becoming fine-very fine, slightly calcareous.	
2180	2200	100	<u>Sandstone</u> , as above becoming fine-medium, angular, well sorted, slightly calcareous.	
2200	2280	100	<u>Sandstone</u> , as above becoming fine-very fine, noncalcareous.	
2280	2320	100	<u>Shale</u> , pink and gray-green, soft, calcareous. <u>TOP ORGAN ROCK - 2320</u>	
2320	2390	75	<u>Siltstone</u> , orange, slightly calcareous.	
		25	<u>Siltstone</u> , green.	
2390	2410	100	<u>Shale</u> , light gray, soft, mottled brown and purple.	
2410	2420	100	<u>Shale</u> , buff, mottled red, very calcareous, blocky.	
2420	2430	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , tan I VFA.	
2430	2480	100	<u>Shale</u> , gray-green, mottled brown and red, soft.	
2480	2630	100	<u>Shale</u> , red, silty in part and purple mottled gray-green, soft, calcareous.	
2630	2710	100	<u>Shale</u> , red silty, calcareous, mottled gray and green.	
2710	2740	50	<u>Shale</u> , red as above.	
		50	<u>Shale</u> , gray-green and purple as above.	
2740	2790	50	<u>Shale</u> , gray-green and purple as above.	
		50	<u>Shale</u> , brown, soft, calcareous.	
2790	2800	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , orange, I VFA.	
2800	2820	100	<u>Shale</u> , gray, calcareous, soft, mottled brown.	
2820	2840	50	<u>Shale</u> , gray as above.	
		25	<u>Shale</u> , red, silty, calcareous.	
		25	<u>Siltstone</u> , orange.	

DITCH SAMPLES

Examined by L.L. Aubert ²⁸⁴⁰ to ³¹⁰⁰
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
2840	2910	75	<u>Shale</u> , red as above, mottled purple.	
		25	<u>Shale</u> , gray, as above.	
2910	2950	-	No samples.	
2950	2960	100	<u>Shale</u> , red and gray as above.	
		tr	<u>Limestone</u> , orange, I VFA.	
2960	3000	50	<u>Shale</u> , red, silty, blocky.	
		25	<u>Shale</u> , gray, soft, calcareous.	
		25	<u>Shale</u> , brown mottled purple, soft, calcareous.	
3000	3020	75	<u>Shale</u> , brown, soft, calcareous.	
		25	<u>Shale</u> , gray, soft, calcareous.	
		tr	<u>Limestone</u> , tan, I VFA.	
3020	3030	75	<u>Siltstone</u> , red-brown, calcareous.	
		25	<u>Shale</u> , gray, soft, calcareous.	
3030	3040	75	<u>Siltstone</u> , as above.	
		25	<u>Shale</u> , red-buff mottled red, flaky, very calcareous.	
		tr	<u>Shale</u> , ochre, soft, slightly calcareous.	
3040	3050	75	<u>Shale</u> , orange, very soft, very calcareous.	
		25	<u>Sandstone</u> , pink, fine-coarse, angular-sub-rounded, poorly sorted, very calcareous.	
3050	3060	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , pink, I VFA, argillaceous.	
3060	3080	100	<u>Shale</u> , gray mottled purple, soft, calcareous.	
3080	3090	100	<u>Shale</u> , gray-green, soft.	
		tr	<u>Sandstone</u> , tan-green, fine, angular, well sorted, very calcareous.	
3090	3100	100	<u>Siltstone</u> , orange-brown, very calcareous.	<u>TOP CEDAR MESA - 3090</u>

DITCH SAMPLES

Examined by L.L. Aubert ³¹⁰⁰ to ³⁴²⁰
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LOGGED NOT LOGGED
3100	3120	100	<u>Shale</u> , orange-brown, very calcareous.	
3120	3130	100	<u>Shale</u> , as above, with Anhydritic granules.	
3130	3160	-	No samples.	
3160	3170	50	<u>Sandstone</u> , brown, very fine-silty, angular, well sorted, calcareous, with Anhydrite granular and micaceous.	
		50	<u>Shale</u> , as above.	
3170	3180	50	<u>Siltstone</u> , light green, very calcareous, with Anhydrite inclusions.	
		50	<u>Limestone</u> , tan-pink, I VFA.	
3180	3190	100	<u>Siltstone</u> , as above.	
3190	3210	100	<u>Shale</u> , orange-brown, very calcareous.	
3210	3230	100	<u>Sandstone</u> , white-light gray, fine, sub-rounded, well sorted, slightly calcareous.	
3230	3250	100	<u>Sandstone</u> , light brown, very fine, angular, well sorted, very calcareous, with micaceous and Anhydritic inclusions.	
3250	3280	100	<u>Sandstone</u> , light gray-green, very fine, angular, well sorted, calcareous.	
3280	3300	75	<u>Sandstone</u> , as above.	
		25	<u>Limestone</u> , tan-gray, I VFA.	
3300	3320	50	<u>Sandstone</u> , as above.	
		50	<u>Limestone</u> , as above.	
3320	3330	25	<u>Limestone</u> , as above.	
		75	<u>Sandstone</u> , light brown, very fine, angular, well sorted, very calcareous.	
3330	3340	100	<u>Shale</u> , reddish brown mottled green, very calcareous.	
3340	3360	100	<u>Sandstone</u> , white-light gray, very fine, angular, well sorted, calcareous.	
3360	3370	100	<u>Shale</u> , red mottled green, flaky, very calcareous.	
3370	3390	100	<u>Limestone</u> , dark tan-gray, I VFA.	
3390	3420	100	<u>Sandstone</u> , light brown-tan, very fine, angular, well sorted, very calcareous, micaceous.	

DITCH SAMPLES

Examined by L.L. Aubert ^{3420 3900} to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES XXXXXX NOT LAGGED
3420	3430	100	<u>Shale</u> , light green, mottled purple, soft, very calcareous.	
3430	3450	75	<u>Shale</u> , as above.	<u>TOP HALGAITO - 3420</u>
		25	<u>Shale</u> , pink-brown, soft, very calcareous.	
3450	3460	100	<u>Shale</u> , pink-brown, as above.	
		tr	<u>Shale</u> , light green, as above.	
3460	3470	100	<u>Shale</u> , as above, interbedded.	
		tr	<u>Limestone</u> , tan-pink, I-II VFA.	
3470	3520	100	<u>Shale</u> , as above.	
3520	3610	100	<u>Shale</u> , light grayish green, mottled purple, soft, calcareous.	
3610	3640	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , tan-pink, I-II VFA.	
3640	3700	100	<u>Shale</u> , light grayish green and purple, very soft.	
		tr	<u>Shale</u> , pink, soft, calcareous.	
3700	3730	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , light gray-tan I VFA.	
3730	3760	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , pink-orange, I VFA.	
3760	3770	75	<u>Shale</u> , as above.	
		25	<u>Sandstone</u> , speckled orange and green, angular, poorly sorted.	
3770	3860	100	<u>Shale</u> , light gray, green and purple, very soft becoming slightly calcareous.	
3860	3880	75	<u>Shale</u> , as above.	
		25	<u>Sandstone</u> , light brown, very fine-fine, angular, poorly sorted, very calcareous, micaceous.	
3880	3900	75	<u>Shale</u> , as above.	
		25	<u>Sandstone</u> , as above.	

DITCH SAMPLES

3880 4100
 Examined by L.L. Aubert to _____
E.M. Wright to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES KAYE NOT LAGGED
		tr	<u>Limestone</u> , pink-orange, I VFA.	
3900	3930	100	<u>Shale</u> , light gray and green, mottled purple and light brown, calcareous.	
3930	3940	100	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , tan, I VFA.	
3940	3990	100	<u>Shale</u> , as above.	
3990	3995	75	<u>Shale</u> , as above.	
		25	<u>Limestone</u> , tan-gray, I VFA.	<u>TOP U. HERMOSA - 3990</u>
3995	4000	75	<u>Limestone</u> , as above.	
		25	<u>Shale</u> , as above.	
		tr	<u>Limestone</u> , white, III FA, sandy.	
4000	4010	100	<u>Limestone</u> , tan, I VFA with Chert fragments, transparent.	
4010	4020	100	<u>Limestone</u> , light brown-pale pink, I VFA, sandy with rare orange Chert, translucent.	
4020	4025	50	<u>Limestone</u> , tan, I VFA.	
		50	<u>Shale</u> , light gray and green, sub-fissile, calcareous.	
4025	4035	100	<u>Shale</u> , as above.	
4035	4045	50	<u>Shale</u> , as above, becoming tan.	
		50	<u>Limestone</u> , white, II-III VFA.	
4045	4050	100	<u>Limestone</u> , tan I VFA.	
4050	4055	75	<u>Limestone</u> , tan-brown, I-III VF-FA.	
		25	<u>Limestone</u> , tan, I VFA.	
4055	4070	100	<u>Limestone</u> , white, I-II VFA, sandy in part.	
4070	4080	100	<u>Limestone</u> , as above, becoming tan-light brown, occasional orange Chert, translucent.	
4080	4090	100	<u>Limestone</u> , white, I-II VFA, medium granular sandy, fossiliferous?	
4090	4100	90	<u>Limestone</u> , as above.	

DITCH SAMPLES

Examined by E.M. Wright 4090 4265 to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES KARRE NOT LAGGED
		10	<u>Chert</u> , white to orange, angular.	
4100	4105	90	<u>Limestone</u> , I VFA, sandy, white to medium brown-gray.	
		10	<u>Siltstone</u> , grayish brown, very fine, sandy, noncalcareous.	
4105	4110	50	<u>Limestone</u> , I-II VFA, sandy, white to grayish tan.	
		50	<u>Siltstone</u> , very calcareous, very fine, sandy, medium brown, micaceous in part.	
4110	4125	100	<u>Sandstone</u> , medium brown, silty, very fine grained, very calcareous, micaceous.	
4125	4130	100	<u>Sandstone</u> , as above.	
4130	4150	50	<u>Sandstone</u> , as above.	
		50	<u>Limestone</u> , I-II VFA, white, siliceous in part.	
4150	4160	50	<u>Siltstone</u> , variegated, very fine, sandy, calcareous, micaceous in part.	
		50	<u>Limestone</u> , white, I-II VFA, sandy, medium grain.	
4160	4165	100	<u>Sandstone</u> , white, fine grained, sub-angular to sub-rounded, calcareous, matrix.	
4165	4175	100	<u>Siltstone</u> , brown, micaceous, very fine, sandy, slightly calcareous to non-calcareous.	
4175	4200	100	<u>Siltstone</u> , variegated, some green-gray, calcareous, some Sandstone, white as above, cavings?	
4200	4210	100	<u>Siltstone</u> , as above.	
4210	4225	90	<u>Sandstone</u> , white, fine grained, sub-angular, calcareous.	
		10	<u>Limestone</u> , I VFA, white to light gray, slightly sandy.	
4225	4230	100	<u>Siltstone</u> , variegated, medium brown to green-gray, slightly calcareous.	
4230	4250	70	<u>Siltstone</u> , brown to greenish gray, calcareous, slightly sandy.	
		30	<u>Sandstone</u> , fine to very fine, very calcareous, occasional Limestone II VFA with fine sand grains.	
4250	4265	75	<u>Siltstone</u> , as above.	
		25	<u>Limestone</u> , I VFA, light gray.	

DITCH SAMPLES

Examined by E.M. Wright ⁴²⁶⁵ to ⁴⁴²⁰
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
4265	4275	80	<u>Siltstone</u> , as above, occasional quartz crystals, some frosted.	
		20	<u>Limestone</u> , as above.	
4275	4295	100	<u>Siltstone</u> , medium brown, very slightly calcareous, very fine, sandy, slight micaceous.	
4295	4300	70	<u>Siltstone</u> , as above.	
		30	<u>Siltstone</u> , grayish green.	
4300	4310	100	<u>Siltstone</u> , brown, as above, some steel gray, slightly calcareous.	
4310	4315	70	<u>Siltstone</u> , as above.	
		30	<u>Limestone</u> , I-II VFA, sandy to very slightly sandy, very fine grains, sub-rounded.	
4315	4320	100	<u>Siltstone</u> , medium brown, very calcareous, very fine, sandy.	
4320	4325	100	<u>Siltstone</u> , medium brown to greenish gray, calcareous, occasional quartz crystals.	
4325	4350	100	<u>Siltstone</u> , medium brown to greenish gray, some variegated, calcareous.	
4350	4385	100	<u>Siltstone</u> , as above, occasional quartz crystals.	
4385	4390	90	<u>Siltstone</u> , as above.	
		10	<u>Limestone</u> , I VFA, white to medium gray, silty.	
4390	4395	30	<u>Sandstone</u> , white, fine grained, sub-angular to sub-rounded grains, very calcareous.	
		60	<u>Siltstone</u> , as above.	
		10	<u>Limestone</u> , I VFA, some occasional II VFA, silty.	
4395	4400	90	<u>Siltstone</u> , as above.	36 MIN. LAG @ 4400'
		10	<u>Limestone</u> , I VFA, silty, occasional orange Chert.	
4400	4415	90	<u>Siltstone</u> , medium brown, gray, green, calcareous to very calcareous, fine grained, sandy.	
		10	<u>Limestone</u> , I VFA, light tan to medium gray, silty.	
4415	4420	60	<u>Siltstone</u> , as above.	
		40	<u>Limestone</u> , I VFA, medium brown to tan, silty.	

DITCH SAMPLES

Examined by E.M. Wright ^{4420 4485} to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED	NOT LAGGED
4420	4425	75	<u>Siltstone</u> , as above.		
		25	<u>Limestone</u> , as above.		
4425	4430	50	<u>Shale</u> , green-gray, slightly calcareous, dolomitic? anhydrite crystal inclusions.		
		40	<u>Siltstone</u> , as above.		
		10	<u>Limestone</u> , I VFA, white with anhydrite crystal inclusion.		
4430	4440	50	<u>Siltstone</u> , medium brown, very calcareous, some very fine sand, anhydrite crystal inclusions.		
		30	<u>Shale</u> , gray-green, as above.		
		20	<u>Limestone</u> , white to medium tan, I VFA, silty to very fine sand.		
4440	4445	40	<u>Siltstone</u> , as above.		
		30	<u>Shale</u> , grayish green, as above.		
		30	<u>Limestone</u> , as above, occasional white to orange Chert.		
4445	4450	30	<u>Siltstone</u> , as above.		
		70	<u>Limestone</u> , white, I-II VFA, silty to very fine sand.		
4450	4460	90	<u>Limestone</u> , white to light gray, I VFA, silty to very fine sand in part, some II VFA in part, slightly siliceous.		
		10	<u>Chert</u> , medium gray to light orange.		
4460	4475	40	<u>Shale</u> , greenish gray.		
		40	<u>Limestone</u> , as above.		
		20	<u>Chert</u> , as above.		
4475	4480	100	<u>Siltstone</u> , variegated, some purple, slightly calcareous to calcareous.		
4480	4485	40	<u>Siltstone</u> , medium brown, calcareous, very fine sand.		
		40	<u>Limestone</u> , white to medium gray, I-II VFA, silty, very fine sand in part.		
		20	<u>Chert</u> , smoky to dull orange, some free quartz crystals.		

DITCH SAMPLES

4485 4655
 Examined by E.M. Wright to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
4485	4495	75	<u>Limestone</u> , I-II VFA, silty, very fine sand, some siliceous.	
		25	<u>Chert</u> , as above, Limestone and Chert may be interbedded.	
4495	4500	75	<u>Limestone</u> , as above.	
		25	<u>Chert</u> , as above.	
4500	4510	75	<u>Limestone</u> , as above.	
		25	<u>Chert</u> , as above, some clear crystals.	
4510	4515	40	<u>Siltstone</u> , gray to grayish purple, slightly calcareous.	
		40	<u>Limestone</u> , as above.	
		20	<u>Chert</u> , as above.	
4515	4530	75	<u>Limestone</u> , as above.	
		25	<u>Chert</u> , as above.	
4530	4540	40	<u>Shale</u> , medium gray, silty, calcareous.	
		50	<u>Limestone</u> , as above.	
		10	<u>Chert</u> , as above.	
4540	4550	80	<u>Sandstone</u> , medium gray, very fine grained, very calcareous.	
		20	<u>Limestone</u> , I VFA, white to light gray, silty in part.	
4550	4555	80	<u>Siltstone</u> , medium gray, very calcareous, very fine sand in part.	
		20	<u>Limestone</u> , as above.	
4555	4565	50	<u>Siltstone</u> , as above.	
		50	<u>Limestone</u> , as above.	
4565	4575	100	<u>Limestone</u> , I VFA, light tan to light gray, silty, some very fine sand.	
4575	4625	100	<u>Limestone</u> , as above.	
4625	4645	90	<u>Limestone</u> , as above.	
		10	<u>Chert</u> , light gray, smoky.	
4645	4655	100	<u>Limestone</u> , white to medium gray, I VFA.	

DITCH SAMPLES

Examined by Eskelsen 4655 4800
 _____ to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
4655	4670	100	<u>Limestone</u> , medium gray, I/III VFA, argillaceous, micaceous.	
4670	4680	100	<u>Limestone</u> , medium gray, III VF-FA, very micaceous.	
4680	4690	50	<u>Limestone</u> , medium gray, III VFA, very cherty.	
		50	<u>Shale</u> , gray blocky, calcareous.	
4690	4700	25	<u>Limestone</u> , light gray, III/I VFA.	
		75	<u>Shale</u> , as above.	
4700	4710	100	<u>Limestone</u> , medium gray-tan, I VFA.	
4710	4720	100	<u>Shale</u> , medium gray, calcareous.	
4720	4725	100	<u>Limestone</u> , light gray, III VFA, silty.	
4725	4730	50	<u>Limestone</u> , as above.	
		50	<u>Shale</u> , medium gray, calcareous.	
4730	4735	100	<u>Shale</u> , as above.	
4735	4740	50	<u>Limestone</u> I/III VFA.	
		50	<u>Shale</u> , as above.	
4740	4745	25	<u>Limestone</u> , as above.	
		75	<u>Shale</u> , as above.	
4745	4750	100	<u>Limestone</u> , light gray, I VFA, arenaceous.	
4750	4765	100	<u>Limestone</u> , as above.	
4765	4770	75	<u>Limestone</u> , as above.	
		25	<u>Shale</u> , medium gray, calcareous.	
4770	4775	25	<u>Limestone</u> , as above.	
		75	<u>Shale</u> , as above.	
4775	4785	100	<u>Shale</u> , medium-dark gray, sub-fissile, calcareous.	
4785	4800	25	<u>Limestone</u> , I VFA, arenaceous, light gray-tan.	
		75	<u>Shale</u> , as above.	

DITCH SAMPLES

Examined by Eskelsen 4800 4885
 _____ to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED	NOT LAGGED
4800	4805	100	<u>Shale</u> , medium gray, calcareous, blocky.		
4805	4810	100	<u>Limestone</u> , light gray, I VFA.		
4810	4815	50	<u>Limestone</u> , as above.		
		50	<u>Shale</u> , medium gray-grayish green, calcareous, sub-fissile.		
4815	4820	25	<u>Limestone</u> , as above.		
		75	<u>Shale</u> , as above.		
4820	4825	50	<u>Limestone</u> , white-light gray, I VFA.		
		50	<u>Shale</u> , as above.		
4825	4830	25	<u>Limestone</u> , as above.		
		75	<u>Shale</u> , as above.		
4830	4840	50	<u>Limestone</u> , as above.		
		50	<u>Shale</u> , as above.		
4840	4845	75	<u>Limestone</u> , light gray-tan I VFA.		
		25	<u>Shale</u> , medium gray, calcareous, blocky.		
4845	4860	25	<u>Limestone</u> , as above.		
		75	<u>Shale</u> , as above.		
4860	4865	25	<u>Limestone</u> , white-light gray, I VFA.		
		75	<u>Shale</u> , medium-dark gray, fissile, calcareous.		
4865	4870	100	<u>Limestone</u> , white, I VFA/II A cherty.		
4870	4875	50	<u>Limestone</u> , as above.		
		50	<u>Shale</u> , medium-dark gray, fissile, calcareous.		
4875	4880	75	<u>Limestone</u> , I VF-MA cherty.		
		25	<u>Shale</u> , as above.		
4880	4885	25	<u>Limestone</u> , as above.		
		75	<u>Shale</u> , as above.		

DITCH SAMPLES

Examined by Eskelsen 4885 4960
 _____ to _____
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
4885	4890	100	<u>Shale</u> , medium gray-grayish green, calcareous.	
4890	4900	25	<u>Limestone</u> , I VFA, cherty.	
		75	<u>Shale</u> , as above.	
4900	4910	100	<u>Shale</u> , dark gray-brown, fissile, calcareous.	
4910	4915	25	<u>Limestone</u> , tan, I VFA, argillaceous, cherty milky-clear.	
		75	<u>Shale</u> , as above.	
4915	4920	100	<u>Limestone</u> , tan, I VFA, trace light gray III VFA, cherty.	
4920	4925	100	<u>Limestone</u> , as above, very cherty.	
4925	4930	75	<u>Chert</u> , milky white-tan.	
		25	<u>Limestone</u> , white I VFA.	
4930	4935	75	<u>Chert</u> , as above.	
		25	<u>Limestone</u> , tan I/III VFA.	
4935	4940	50	<u>Chert</u> , as above.	
		50	<u>Shale</u> , medium-dark gray, sub-fissile, calcareous.	
4940	4945	50	<u>Chert</u> , as above.	
		25	<u>Limestone</u> , light gray-tan I VFA, siliceous.	
		25	<u>Shale</u> , as above.	
4945	4950	50	<u>Chert</u> , as above.	
		50	<u>Limestone</u> , as above.	
4950	4955	25	<u>Chert</u> , as above.	
		50	<u>Shale</u> , dark gray, sub-fissile, calcareous.	
		25	<u>Limestone</u> , light gray-tan I VFA.	
4955	4960	25	<u>Chert</u> , as above.	
		50	<u>Limestone</u> , as above.	
		25	<u>Shale</u> , as above.	

DITCH SAMPLES

Examined by Eskelsen 4960 to 4992
 _____ to _____

Well Tohonadla 1
 Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
4960	4965	10	<u>Chert</u> , as above.	
		40	<u>Limestone</u> , light gray, I VFA, <u>trace pale yellow fluorescence, weak milky cut fluorescence.</u>	
		50	<u>Shale</u> , very siliceous, calcareous, dark gray.	
4965	4970	75	<u>Shale</u> , as above.	
		25	<u>Limestone</u> , <u>fluorescence</u> , as above.	
4970	4975	100	<u>Shale</u> , as above.	
4975	4980	100	<u>Shale</u> , dark gray, very siliceous, calcareous.	
4980	4985	75	<u>Shale</u> , as above.	
		25	<u>Limestone</u> , light gray-tan, I VFA.	
4985	4990	50	<u>Shale</u> , as above.	
		50	<u>Limestone</u> , as above, arenaceous in part.	
4992 Cir.15"			<u>Limestone</u> , white-tan, I VFA, trace III FA, <u>trace spotty yellow fluorescence, weak milky cut?</u>	
	30"		<u>Limestone</u> , as above, I VFA-III FA, Tr. B ₁ , Tr. C _{Tr} .	
	45"		<u>Limestone</u> , as above, I VFA-III FA Tr. B ₁ .	
	1 Hr.		As above.	

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 4992 TO 5118.4

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS CORE OR DITCH
1	4992	5050	54'	<p><u>Limestone</u>, tan I VF-MA, <u>fluorescence along parallel fractures</u>.</p> <p><u>Limestone</u>, light gray-tan, IVF tr B+C₄+D₁, <u>uniform to spotty oil staining, spotty to uniform fluorescence, soft milky yellow cut fluorescence</u>.</p> <p><u>Limestone</u> as above, I VF-M + C_{tr-1} + spotty D₁, <u>shows as above</u>.</p> <p><u>Limestone</u>, light gray-tan as above I VF-M + C₅ + D₁. D decreased from D₁ to D₂₋₃ near bottom of interval, <u>fluorescence as above bleeding oil, occasional large vugs partially filled with calcite crystals</u>.</p> <p><u>Limestone</u>, tan, I VFA, fractured in part, <u>fluorescence along fracture</u>.</p> <p><u>Limestone</u>, as above, I VF-M + C₅, <u>fluorescence as above, bleeding oil</u>.</p> <p><u>Limestone</u>, as above, trace of C.</p> <p><u>Limestone</u> as above I VF-M + C₁₋₂ <u>bleeding oil</u>.</p> <p><u>Limestone</u>, as above, I VF-MA.</p> <p><u>Limestone</u>, black I VFA, argillaceous, very hard.</p>			
2	5050	5108	58'	<p><u>Shale</u>.</p> <p><u>Limestone</u>, I VF-MA.</p> <p><u>Limestone</u>, I VFA.</p> <p><u>Limestone</u>, I VFA + B_{tr-2}, <u>spotty uniform fluorescence, bleeding oil from pores and fractures</u>.</p> <p><u>Limestone</u>, I VFA, <u>spotty fluorescence on occasional vertical fractures</u>.</p> <p><u>Limestone</u>, I VFA + B_{tr-5}, <u>spotty-uniform fluorescence on pores and fractures. Bleeding oil</u>.</p> <p><u>Limestone</u>, I VFA.</p> <p><u>Limestone</u>, III VFA.</p>			
3	5108	5166	50'	<p><u>Limestone</u> I/III VFA, oolitic, <u>bleeding oil from fractures</u>.</p> <p><u>Limestone</u>, I VFA, <u>bleeding oil from occasional fractures</u>.</p> <p><u>Limestone</u>, I VFA + B_{tr-1}, C_{tr}, <u>spotty uniform fluorescence, bleeding oil from occasional fractures and pores</u>.</p> <p><u>Limestone</u>, I VFA.</p> <p><u>Limestone</u>, I VFA + B_{tr-1}, <u>spotty fluorescence and bleeding oil from pores and occasional fractures</u>.</p> <p><u>Limestone</u>, I VFA, <u>uniform spotty fluorescence</u>.</p> <p><u>Limestone</u>, as above + B_{tr}, <u>bleeding oil</u>.</p>			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 5118.4 TO 5245

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD Tohonadla

COMPANY Shell Oil Company

LEASE AND WELL NO. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL- GAS
							CORE OR DITCH
	5118.4	5121		Limestone, I VFA, <u>occasional spotty fluorescence.</u>			
	5121	5122		Limestone, I/III VFA + B ₂ , oolitic.			
	5122	5132.8		Limestone, I VFA.			
	5132.8	5135.7		Shale, black calcareous.			
	5135.7	5142		Limestone, I VFA.			
	5142	5151.3		Limestone, III FA-MA.			
	5151.3	5154		Limestone, III FA + B _{tr-3} , oolitic, <u>bleeding oil from pores and fractures.</u>			
	5154	5166		Limestone, I VFA.			
4	5166	5224	54'				
	5166	5175	9'	Limestone, tan, I/III VFA.			
	5175	5188	13'	Limestone, tan, III/I VFA argillaceous.			
	5188	5196	8'	Limestone, tan-medium gray, III VFA argillaceous.			
				5189-5190 <u>bright yellow fluorescence on hairline fractures.</u>			
	5196	5197	1'	Limestone, as above, with large black chert nodules.			
	5197	5198	1'	Limestone, tan-medium gray, III VFA, argillaceous.			
	5198	5200	2'	Limestone, medium gray, III VFA, argillaceous, chert.			
	5200	5205	5'	Limestone, medium gray, III VFA, argillaceous.			
	5205	5210	5'	Limestone, as above, chert.			
	5210	5211	1'	Limestone, as above, <u>bright yellow fluorescence on occasional fractures.</u>			
	5211	5212	1'	Limestone, as above, argillaceous.			
	5212	5213	1'	Limestone, as above, anhydrite fills occasional fractures.			
	5213	5214	1'	Limestone, as above, chert, <u>bright yellow fluorescence on occasional fractures.</u>			
	5214	5216	2'	Limestone, as above, anhydrite fills some fractures, <u>bright yellow fluorescence on occasional fractures.</u>			
	5216	5217	1'	Limestone, as above, chert.			
	5217	5219	2'	Limestone, as above, calcite fills fractures.			
	5219	5220	1'	Limestone, as above, argillaceous.			
5	5224	5250	26'				
	5224	5238.5	14.5'	Limestone, dark gray, III VFA, very argillaceous.			
	5238.5	5240	1.5'	Limestone, brown, I VFA, anhydrite filling veins.			
	5240	5242	2'	Limestone, dark gray-brown, III/I VFA.			
	5242	5245	3'	Limestone, brown, I/III VFA, argillaceous.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 5245 TO 5250

CORES EXAMINED BY _____

CORE RECORD

AREA OR FIELD TohonadlaCOMPANY Shell Oil CompanyLEASE AND WELL NO. 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
5245	5247	2'		<u>Limestone</u> , dark gray, I/III VFA argillaceous, fluorescence on fractures.			
5247	5250	3'		<u>Limestone</u> , brown, I/III VFA, fluorescence on fractures.			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND

DITCH SAMPLES

Examined by Eskelsen 5256 to 5380
toWell Tohonadla #1
Field or Area

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
5256	5260	100	<u>Limestone</u> , dark gray, III/I VFA, argillaceous	
5260	5265	100	<u>Limestone</u> , dark gray, III/I VFA, argillaceous, trace fluorescence, weak milky cut fluorescence	
5265	5270	100	<u>Limestone</u> , brown, III VFA	
5270	5275	50	<u>Limestone</u> , as above, trace spotty yellow fluorescence, weak milky cut fluorescence	
		50	<u>Shale</u> , black, soft, fissile	
5275	5290	100	<u>Limestone</u> , light-medium gray, I/III VFA	
5290	5295	25	<u>Siltstone</u> , light gray, very calcareous	
		75	<u>Limestone</u> , as above	
5295	5300	100	<u>Limestone</u> , tan-light gray, I/III VFA	
5300	5315	25	<u>Limestone</u> , as above	
		75	<u>Shale</u> , medium gray, calcareous, fissile	
5315	5325	75	<u>Limestone</u> , light gray-tan, I/III VF-FA	
		25	<u>Dolomite</u> , light gray, III VFA	
5325	5335	50	<u>Limestone</u> , white-light gray, I VFA	
		25	<u>Dolomite</u> , light gray, III VFA	
		25	<u>Shale</u> , dark gray, fissile, anhydritic	
5335	5340	75	<u>Limestone</u> , light gray, I VFA	
		25	<u>Shale</u> , medium gray	
5340	5350	50	<u>Limestone</u> , white-tan, I VFA	
		50	<u>Dolomite</u> , light gray, III FA, anhydritic	
5350	5355	75	<u>Limestone</u> , white-tan, I VFA	
		25	<u>Dolomite</u> , light gray, III FA, trace yellow fluorescence, very weak milky cut fluorescence	
5355	5360	100	<u>Limestone</u> , light gray-tan, III FA, anhydritic	
5360	5365	100	<u>Limestone</u> , as above, trace yellow fluorescence, very weak milky cut fluorescence	
5365	5370	100	<u>Dolomite</u> , tan, III FA - I VFA, anhydritic, argillaceous	
5370	5375	75	<u>Dolomite</u> , as above	
		25	<u>Shale</u> , black calcareous	
5375	5380	75	<u>Limestone</u> , light gray, III FA, cherty	
		25	<u>Shale</u> , as above	

DITCH SAMPLES

Examined by Wright 5380 to 5665
toWell Tohonadla #1
Field or Area

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
5380	5385	20	<u>Shale</u> , black to dark gray, calcareous, dolomitic in part	
		40	<u>Limestone</u> , I VF-FA, light to medium gray	
		40	<u>Dolomite</u> , light gray, I/III VF-FA, light gray	
5385	5390	50	<u>Shale</u> , black to dark gray, dolomitic	
		50	<u>Dolomite</u> , gray-tan, III VFA	
5390	5400	80	<u>Shale</u> , black, as above	
		20	<u>Dolomite</u> , as above	
5400	5420	70	<u>Shale</u> , black to gray brown, dolomitic, trace calcareous	
		30	<u>Dolomite</u> , as above	
5420	5425	100	<u>Shale</u> , black, dolomitic to slightly calcareous	
5425	5450	20	<u>Shale</u> , as above	
		80	<u>Dolomite</u> , light gray to tan, III/I VFA	
5450	5475	100	<u>Dolomite</u> , as above	
5475	5485	100	<u>Siltstone</u> , steel gray to medium gray, dolomitic to calcareous	
5485	5500	100	<u>Shale</u> , steel gray to medium gray, dolomitic	
5500	5505	100	<u>Shale</u> , as above	
5505	5510	70	<u>Shale</u> , as above	
		30	<u>Dolomite</u> , white to light tan, slightly calcareous, in part III/I VFA	
5510	5525	100	<u>Dolomite</u> , dolomitic, white to light tan, III VF-FA, calcareous, inter bedded, limestone same appearance	
5525	5545	100	<u>Limestone</u> , white to light tan, III/I VFA, B, trace dolomitic in part	
5545	5550	100	<u>Dolomite</u> , white to light tan, III/I VF-FA, B, trace calcareous in part	
5550	5575	100	<u>Dolomite</u> , light tan, III/I VF-FA, B trace	
5575	5600	90	<u>Dolomite</u> , as above	
		10	<u>Chert</u> , white, clear to milky	
5600	5625	100	<u>Dolomite</u> , light tan, III/I VFA, B trace, calcareous in part	
5625	5650	100	<u>Dolomite</u> , light tan to medium gray, III/I VF-FA, B trace	
5650	5660	100	<u>Dolomite</u> , light tan to light gray, I/III VFA, calcareous	
5660	5665	50	<u>Dolomite</u> , as above	
		50	<u>Limestone</u> , light tan, medium gray, I VFA	

DITCH SAMPLES

Examined by Wright 5665 to 5850
Beers 5850 to 5875

Well Tohonadla No. 1
 Field or Area _____

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
5665	5675	80 20	<u>Shale</u> , steel gray to medium gray, dolomitic to calcareous, silty in part <u>Limestone</u> , tan to medium gray, I VFA	
5675	5680	50 50	<u>Shale</u> , as above <u>Limestone</u> , as above	
5680	5700	100	<u>Limestone</u> , as above	
5700	5705	75 25	<u>Shale</u> , black to medium gray, slightly calcareous <u>Limestone</u> , medium tan to dark tan, I/III VFA	
5705	5720	20 80	<u>Shale</u> , as above <u>Limestone</u> , as above	
5720	5725	80 20	<u>Shale</u> , as above, some dark brown <u>Limestone</u> , medium tan to dark tan, I VFA	
5725	5735	100	<u>Shale</u> , medium gray to dark gray, slightly calcareous to dolomitic	
5735	5745	100	<u>Limestone</u> , I/III VFA, some medium tan, siliceous	
5745	5750	50 50	<u>Shale</u> , medium gray, as above <u>Limestone</u> , as above, some chert, smokey	
5750	5755	100	<u>Chert</u> , medium gray, calcareous in part	
5755	5775	100	<u>Shale</u> , medium gray, slightly calcareous, micaceous	
5775	5800	100	<u>Shale</u> , as above, occasional green gray, with some medium purple, rare brilliant green paint fleck - from bit	
5800	5805	30 70	<u>Shale</u> , green gray, some purple <u>Limestone</u> , light gray to medium brown, I VFA	
5805	5810	100	<u>Limestone</u> , as above	
5810	5825	100	<u>Limestone</u> , I/II VFA, white to medium brown	
5825	5845	100	<u>Limestone</u> , white to dark brown, I VFA, occasional chert	
5845	5850	90 10	<u>Limestone</u> , as above <u>Chert</u> , smokey dark brown to black	
5850	5860	60 40	<u>Shale</u> , light green or purple, calcareous in part <u>Limestone</u> , as above, with chert nodules	
5860	5870	100	<u>Limestone</u> , as above	
5870	5875	25 75	<u>Shale</u> , as above <u>Limestone</u> , as above	

DITCH SAMPLES

Examined by Baars 5875 to 5890
Eskelsen 5890 to 6125

Well Tohonadla No. 1
 Field or Area _____

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
5875	5880	100	<u>Limestone</u> , brown, III VF-FA	
5880	5885	100	<u>Shale</u> , brown, red, pale green, mottled in part (probable top Molas, 5880)	
5885	5890	40	<u>Shale</u> , as above	
		60	<u>Limestone</u> , tan I VFA	
5890	5900	100	<u>Limestone</u> , as above	
5900	5905	100	<u>Shale</u> , gray, green, brown, mottled gray	
5905	5915	100	<u>Shale</u> , gray, green, brown, red	
5915	5925	100	<u>Shale</u> , as above, with ls. ptgs., I VFA	
5925	5930	100	<u>Shale</u> , brown, mottled green, calcareous	
5930	5945	60	<u>Limestone</u> , I/II VFA	
		40	<u>Shale</u> , as above	
5945	5950	100	<u>Shale</u> , as above	
5950	5965	80	<u>Shale</u> , as above	
		20	<u>Limestone</u> , I/II VFA	
5965	5985	100	<u>Shale</u> , as above	
5985	6000	100	<u>Shale</u> , as above, with ls. ptgs., I VFA	
6000	6015	80	<u>Shale</u> , brown, gray, green, purple	
		20	<u>Limestone</u> , I VF-LA	
6015	6020	70	<u>Shale</u> , as above	
		30	<u>Limestone</u> , as above	
6020	6035	60	<u>Shale</u> , as above	
		40	<u>Limestone</u> , I/II VF-LA	
6035	6050	70	<u>Shale</u> , as above	
		30	<u>Limestone</u> , as above	
6050	6100	100	<u>Shale</u> , as above	
6100	6110	100	<u>Shale</u> , as above	
6110	6120	100	<u>Shale</u> , as above, with limestone I VFA inclusions	
6120	6125	60	<u>Shale</u> , as above	
		40	<u>Limestone</u> , III LA, oolitic	

DITCH SAMPLES

Examined by Eskelsen 6125 to TD
_____ to _____Well Tohopadla No. 1
Field or Area _____

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
6125	6130	60 40	<u>Limestone</u> , I VF - III LA, oolitic <u>Shale</u> , as above	
6130	6140	70 30	<u>Limestone</u> , as above <u>Shale</u> , as above	
6140	6150	50 50	<u>Limestone</u> , as above <u>Shale</u> , as above	
6150	6175	50 50	<u>Limestone</u> , II A <u>Shale</u> , as above	
6175	6185	100	<u>Limestone</u> , II/I VF-LA, oolitic in part	
6185	6190	80 20	<u>Limestone</u> , as above <u>Dolomite</u>	
6190	6200	60 40	<u>Limestone</u> , as above III VFA	
6200	6205	80 20	<u>Limestone</u> , II/I VF-LA <u>Dolomite</u>	
6205	6210	80 20	<u>Limestone</u> , as above III VFA	
6210	6225	90 10	<u>Limestone</u> , as above III VFA	
6225	6290	100	<u>Limestone</u> , as above	
6290	6295	80 20	<u>Limestone</u> , as above <u>Dolomite</u>	
6295	6305	100	<u>Dolomite</u> , III FA and Btr	
6305	6310	60 40	<u>Dolomite</u> , as above <u>Limestone</u> , III FA	
6310	6315	100	<u>Limestone</u> , as above	
6315	6320	100	<u>Dolomite</u> , III FA and Btr	
6320	6325	80 20	<u>Limestone</u> , I/III VFA <u>Dolomite</u> , as above	
6325	6335	100	<u>Shale</u> , purple, green, gray	
6335	6345	80 20	<u>Limestone</u> , III/I VF-FA <u>Dolomite</u> , III FA	

6345 TD

APPROVED

4-19-57

Form 9-331b
(April 1952)

[Signature]
ACTING DISTRICT ENGINEER

35	
	2

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R-359.3.
Approval expires 12-31-56.

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-30-403-229

*Noted
Chk
4-29-57*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 15, 19 57

Tobosmilla

Well No. 1 is located 640 ft. from [S] line and 1900 ft. from [E] line of sec. 35

SW/4 SE/4 35 41S 21E SLM

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan NM

(Field) (County or Subdivision) (State or Territory)

Kelly Basking

The elevation of the ~~surface~~ above sea level is 4676 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

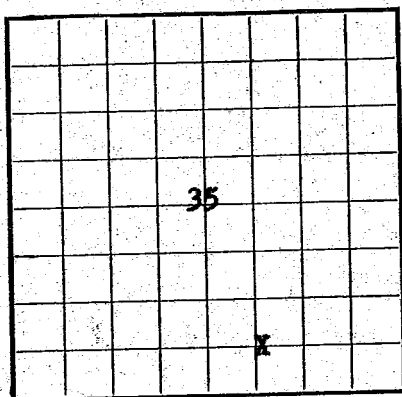
4-9, 10-57 Run and cemented 996' of 8-5/8", 20#, E-40 casing at 1000' with 250 cu. ft. paper mix followed with 100 sacks construction cement. Good cement returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi for 15 min., O.K. Located top of cement at 940'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 106 North Hohokam Avenue
Farmington, New Mexico

By B.W. Shepard
Title Exploitation Engineer

U. S. LAND OFFICE Window Rock, Ariz.
SERIAL NUMBER 14-20-603-229
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, N. M.
 Lessor or Tract Tribal Lands Field Tohonadla State Utah
 Well No. 1 Sec. 35 T. 41S R. 21E Meridian SLBM County San Juan
 Location 660 ft. N. of S. Line and 1980 ft. E. of E. Line of Sec. 35 Elevation 4676 KB
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed BW Shepard Title Exploitation Engineer

Date August 16, 1957

The summary on this page is for the condition of the well at above date.

Commenced drilling April 4, 1957 Finished drilling June 1, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5602 to 5646 No. 4, from _____ to _____
 No. 2, from 5541 to 5581 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from None Noted to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8</u>	<u>28#</u>	<u>8</u>	<u>Spang</u>	<u>996</u>	<u>Baker</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Surface Production</u>
<u>5-1/2</u>	<u>15.5#</u>	<u>8</u>	<u>Spang</u>	<u>5700</u>	<u>Baker</u>	<u>-</u>	<u>See Attached</u>	<u>-</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>1008</u>	<u>250 cuft pozzo mix + 200 sacks</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>
<u>5-1/2</u>	<u>5710</u>	<u>250 sacks</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>

PLUGS AND ADAPTERS

Cement Cleaned out depth 6200 Length Bridge Plug Depth set 5100
Heavy plug—Material
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

8-5/8	1008	250 cuft pozzo mix	Displacement	-	-
5-1/2	5710	+ 200 sacks	Displacement	-	-
		250 sacks	Displacement	-	-

PLUGS AND ADAPTERS

Cement Cleaned out depth 6200 Length Bridge Plug 5100
Heaving plug—Material Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			None			

TOOLS USED

Rotary tools were used from 0 feet to 6345 feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

August 16, 1957, 1957 Put to producing June 6, 1957
The production for the first 24 hours was 1450 barrels of fluid of which 99.5 % was oil; 57 %
emulsion; 0.5 % water; and 0.5 % sediment. Gravity, °Bé. 39° API
If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas -
Rock pressure, lbs. per sq. in. -

EMPLOYEES

J. O. Williams, Driller New Drilling Co., Driller
R. L. Fisher, Driller B. J. Fisher, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1035	1720	685	Chinle
1720	1810	90	Shinarump
1810	5652	3842	Moenkopi and Cutler
4050	5050	1000	UPPER HERMOSA
5050	5652	602	PARADOX
5652	5890	238	Lower Hermosa
5890	6114	224	Molas
6114	6284	170	Leadville
6284	6314	30	Miss Dolomite
6314	6340	26	Ogryay
6340	-	-	Elbert

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Attached

Shell Drilling History including

1. Drilling Report
2. Core Record
3. Ditch Sample Description

FOOT OF OIL OR GAS WELL

GEOLOGICAL SECTION

OF THE OIL OR GAS WELL

DRILLING HISTORY

(SUBMIT IN TRIPLICATE)

Indian Agency **Navajo**

	35	
	X	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee **TRIBAL LANDS**

Lease No. **14-20-603-229**

*Noted
C. W. Shepard
5/20/57*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 15, 19**57**

Tehonadla
Well No. **1** is located **660** ft. from **[S]** line and **1980** ft. from **[E]** line of sec. **35**

SW/4 SE/4 35 (1/4 Sec. and Sec. No.)
418 (Twp.)
21E (Range)
SLBN (Meridian)
Wildcat (Field)
San Juan (County or Subdivision)
Utah (State or Territory)

Kelly Rushing

The elevation of the ~~surface~~ above sea level is **4676** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

5-9-57 DST #1 4995-5050 Initial shut in 20 minutes. Open 55 minutes, immediate strong blow of air, gas to surface in 5 minutes, 160 MCF/D, decrease to weak blow. Mud to surface in 34 minutes, oil to surface in 36 minutes est. rate 22 bbl/hr, 528 B/D rate. Shut in 45 minutes, attempted to reverse cut oil, would not circulate at 1000 psi. Recovered 250' of heavily oil and gas cut mud, gravity 37.1° API, cut 0.15%, pour point 25° F. ISIP 1910, IFP 315, FFP 685, FSIP 1895, HP 2700.

5-10-57 DST #2 5086-5166 Initial shut in 20 min, open 2 hrs immediate weak blow decreasing slightly after 1 hr. shut in 45 minutes. Recovered 25' mud and 200' slightly gas cut mud. ISIP 50, IFP 40, FFP 50, FSIP 70, HP 2647.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **SHELL OIL COMPANY**

Address **108 North Behrend Avenue**

Farmington, New Mexico

By **B. W. Shepard**

B. W. Shepard

Title **Exploitation Engineer**

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	35	
	X	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-229

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent report of well completion X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 15, 1957

Tohonacla
Well No. 1 is located 660 ft. from N line and 1980 ft. from E line of sec. 35

SBL 35
(¼ Sec. and Sec. No.)

41S
(Twp.)

21E
(Range)

SLM
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the Kelly Bushing above sea level is 4676 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

6-3,4-57 Cemented 5700' of 5½", 14# casing at 5710' with 250 sacks construction cement. Flanged up.

6-5-57 Perforated four ½" holes/ft interval 5602-5616. Acidized with 200 gal mud acid. Swabbed and recovered approximately 140 bbl oil gross cut 90% acid water fluid level 1500-2500' while swabbing.

6-6,7-57 Squeezed 14 sacks of cement, perforations 5606-5616, made Water Shut Off Test #1 Shot four holes at 5581. Open 1 hr 30 min., very weak blow, dead after 25 minutes. Shut in 45 minutes, recovered 120' water.

(OVER)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

Farmington, New Mexico

Original signed by
R. S. MacALISTER, JR.

By R. S. Mac Alister, Jr.

Title Division Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Havajo

	35	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands
Lease No. 14-20-603-229

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
Notice of intention to recomplate	X		

Well

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 22

1960

Tohonadla

Well No. 1 is located 660 ft. from N line and 1900 ft. from E line of sec. 35

35

41N

21E

31W

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Tohonadla

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

Kelly Dunning

The elevation of the derrick floor above sea level is 4676 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Total Depth- 6315'

Casing - 5-1/2" @ 5710', bridge plug 5100'.

Completion - 6-13-57, flowing 1413 b/d oil from perforations 4000-5050, cumulative production 3-1-60, 219,000 bbls.

Proposed Work:

1. Move in work over rig.
2. Pull out bridge plug at 5100'.
3. Place well on production.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address Post Office Box 153
Carrrington, New Mexico

Original signed by
R. S. Mac ALISTER, JR.

By R. S. Mac Alister, Jr.
Title Division Exploration Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	35	
	x	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-229

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	x
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 28, 1960

Tohonadla
Well No. 1 is located 660 ft. from S line and 1980 ft. from E line of sec. 35

SW 35 41S 21E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Tohonadla San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly Bushing surface above sea level is 1676 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9-6-60 Bailed out bridge plug at 5100'
to
9-14-60

9-15-60 Checked plug at 5590'. Set pump at 5571'. Ran rods and pump.

9-16-60 Recompleted Initial Production
Pumping 305 B/D gross, 285 B/D oil, 7% cut, 187
MCF/D gas, GOR 655. Recompleted 9-16-60.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address Post Office Box 1200

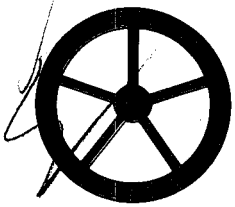
Farmington, New Mexico

Original signed by
B. W. SHEPARD

By

B. W. Shepard

Title Exploitation Engineer



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

July 1, 1971

State of Utah
Oil and Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah 84116

Re: Form OGCC-1b
Tohonadla No. 1
San Juan Co., Utah

Gentlemen:

Please find attached the original and two carbon copies of the subject form signifying our intention to stimulate the lower perforations in Tohonadla No. 1 with acid. We will be pleased to furnish you a "Subsequent Report" when operations have been completed.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

D. E. Smink
Petroleum Engineer

DES/cc

Enclosure

cc. The Navajo Tribe, Minerals Dept.
Window Rock, Arizona
Attention: Mr. P. K. Hurlbut

U. S. Geological Survey
Farmington, New Mexico

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-229
2. NAME OF OPERATOR Consolidated Oil & Gas, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo #1
3. ADDRESS OF OPERATOR 1860 Lincoln Street, Denver, Colorado 80203		7. UNIT AGREEMENT NAME ---
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL and 1980' FEL, Sect. 35, T41S, R21E, SLM, San Juan Co., Utah		8. FARM OR LEASE NAME Tohonadla
14. PERMIT NO. Not in our files		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4678' KB		10. FIELD AND POOL, OR WILDCAT Tohonadla
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sect. 35, T41S, R21E, SLM
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Before Work: Well produces 58 BOPD and 6 BOPD from perforations 4990-5050, 5541-50, 5555-69, and 5574-81.

Proposed Work: On or about July 12, 1971, move in completion unit. Stimulate perforations 5541-50, 5555-69, and 5574-81 with acid.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE

BY

18. I hereby certify that the foregoing is true and correct

SIGNED

D. E. Smink

TITLE

Petroleum Engineer

DATE

7/1/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

35-41-21
August 30, 1971

State of Utah
Oil & Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah 84116

Re: Form OGCC-1b
Tohonadla No. 1
San Juan Co., Utah

Gentlemen:

Please find attached the original and two carbon copies of the
subject form reporting the recent stimulation of Tohonadla No. 1.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

D. E. Smink
D. E. Smink
Petroleum Engineer

DES/cc

Attachment

cc. The Navajo Tribe
U. S. Geological Survey

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-229

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Consolidated Oil & Gas, Inc.</p> <p>3. ADDRESS OF OPERATOR 1860 Lincoln St., Denver, Colo. 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL and 1980' FEL, Sect. 35-T41S-R21E, SLM San Juan Co., Utah</p> <p>14. PERMIT NO. Not in our files</p>	<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo #1</p> <p>7. UNIT AGREEMENT NAME ---</p> <p>8. FARM OR LEASE NAME Tohonadla</p> <p>9. WELL NO. 1</p> <p>10. FIELD AND POOL, OR WILDCAT Tohonadla</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sect. 35-T41S-R21E, SLM</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4678' KB</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in and rigged up completion unit on July 26, 1971.
Treated perforations 5541-50', 5555-69', and 5574-81'
with 3500 gals. 28% HCl acid and 500 gals. acetic acid.
Returned well to production.

18. I hereby certify that the foregoing is true and correct

SIGNED

D. E. Smink
D. E. Smink

TITLE **Petroleum Engineer**

DATE **August 30, 1971**

(This space for Federal or State office use)

APPROVED BY

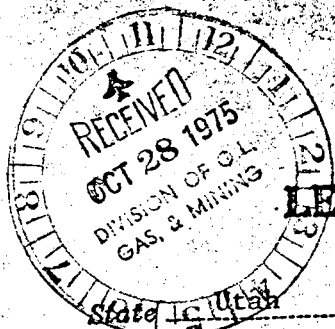
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRIBE Navajo
LEASE NO. 14-20-603-229



LESSEE'S MONTHLY REPORT OF OPERATIONS

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1975 Navajo No. 1
Agent's address 1860 Lincoln Street Company CONSOLIDATED OIL & GAS, INC.
Denver, Colorado 80203 Signed Geraldine Bergano
Phone (303) 255-1751 Agent's title Production Accountant

SEC. AND 1/4 or 1/2	TWP.	RANGE	WELL No.	Days Produced	BARRELS OF OIL	GRAVITY	Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 35 SW SE	41S	21E	1	30	1,146	38.5	344	0	300	P
Sec. 35 NE NW	41S	21E	23-35	30	419	38.5	71	0	80	P
Sec. 35 SW NE	41S	21E	32-35	30	250	38.5	42	0	770	P
Sec. 35 NE NE	41S	21E	41-35	0	0	--	0	0	0	TA
Sec. 35 NE SE	41S	21E	43-35	0	0	--	0	0	0	TA
Sec. 25 NE NE	41S	21E	41-25	30	139	38.5	42	0	0	P
Sec. 35 SW NW	41S	21E	12-35	0	0	--	0	0	0	TA
TOTALS					1,954		499		1,150	
GAS: (MCF)					OIL or CONDENSATE: (Barrels)			WATER: (Barrels)		
Sold					Sold			Disposition		
Vented/Flared					Used			Pit		
Used On lease					Unavoidably Lost			Injected		
Lost					Reason			Other		
Reason										

NOTE.—There were 2,050.60 runs or sales of oil; 16 M. cu. ft. of gas sold;

runs or sales of gasoline during the month. (Write "no" where applicable.)
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED JUN 27 1985 DIVISION OF OIL GAS & MINING	5. LEASE DESIGNATION AND SERIAL NO. 14 - 20 - 603 - 229 -	
2. NAME OF OPERATOR Consolidated Oil and Gas, Inc.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR PO Box 2038, Farmington, New Mexico 87499			7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL and 1980' FEL			8. FARM OR LEASE NAME Tohonadla	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4676' KB	9. WELL NO. #1	
			10. FIELD AND POOL, OR WILDCAT Desert Creek	
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35, T.41S, R.21E	
			12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

We intend to perforate and acidize the Lower and Upper Desert Creek intervals from 5246' - 5159' and 5128' - 5084' with 2000 gallons 15% HCL and 1000 gallons 15% HCL, respectively. These intervals will be commingled with existing Lower Ismay (4990' - 5050') and Akah (5541' - 5581') production.

COPY

18. I hereby certify that the foregoing is true and correct.

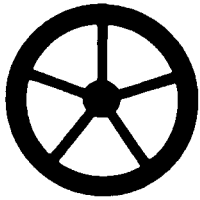
SIGNED Wayne Converse TITLE District Engineer DATE June 24, 1985

WAYNE CONVERSE

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



Consolidated Oil & Gas, Inc.

RECEIVED

FEB - 3 1986

DIVISION OF OIL
GAS & MINING

P. O. BOX 2038
FARMINGTON, NEW MEXICO 87499
(505) 632-8056

January 29, 1986

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah

RE: Name Change of Principal
from Consolidated Oil & Gas, Inc.
to Columbus Energy Corporation

Gentlemen:

Consolidated Oil & Gas, Inc. requests a name change of principal to Columbus Energy Corporation. This name change will include all Federal, Indian, State and Fee wells operated by Consolidated Oil & Gas, Inc. in Utah. The attached list contains well names, lease numbers and locations for all Federal and Indian leases operated in Utah.

Well signs have been changed to Columbus Energy Corp. and the required oil & gas bonds have been filed.

Please contact our Farmington office if you need any additional information.

Thank you,

Dale Richardson
Dale Richardson

Production & Drilling Sup't.

Attach.

RECEIVED

FEB - 3 1986

DIVISION OF OIL
GAS & MININGCONSOLIDATED OIL & GAS, INC. - SAN JUAN COUNTY, UTAH WELLS

<u>WELL NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>LEASE NO.</u>
AKAH 1	NE/4 33-42S-22E	SJ	14-20-603-236
BLUFF 3	NW/NW/4 4-40S-23E	SJ	SL 071403A
BLUFF 13-4	"	SJ	"
BLUFF 24-5	"	SJ	"
BLUFF 42-5	"	SJ	"
BLUFF 44-5	"	SJ	"
DESERT CREEK 2	SE/4 35-41S-23E	SJ	14-20-603-248
RECAPTURE CREEK 1	SE/SW/4 21-40S-23E	SJ	U 01890
RECAPTURE CREEK 2	SW/4 21-40S-23E	SJ	"
RECAPTURE CREEK 3	SE/4 21-40S-23E	SJ	"
TOHONADLA 1	SE/4 35-41S-21E	SJ	14-20-603-229
TOHONADLA 23-35	SW/4 35-41S-21E	SJ	"
TOHONADLA 32-35	NE/4 35-41S-21E	SJ	"
TOHONADLA 36-1	SW/4 36-41S-21E	SJ	"
TOHONADLA 41-25	NE/4 25-41S-21E	SJ	"
TOHONADLA 41-35	NE/4 35 41S-21E	SJ	"
TOHONADLA 43-35	SE/4 35-41S-21E	SJ	"
TOHONADLA TRACT 23-1	NE/4 02-42S-21E	SJ	14-20-603-270

NOTICE OF TRANSFER OF OWNERSHIP

Present operator: CONSOLIDATED OIL & GAS, INC. Telephone: (505)632-8056

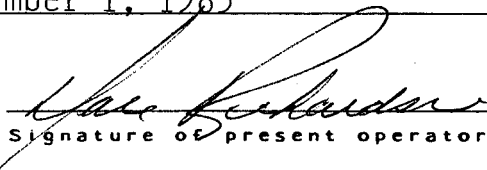
Address: P.O. BOX 2038

City: FARMINGTON State: N.M. Zip: 87499

Well no.: 1 Field or Unit name: TOHONADLA

Sec.: 35 Twp.: 41S Rng.: 21E County: SAN JUAN Lease no. 14-20-603-229

Effective date of transfer: December 1, 1985


Signature of present operator

April 7, 1986

Date

New operator: COLUMBUS ENERGY CORPORATION

Address: P.O. BOX 2038

City: FARMINGTON State: N.M. Zip: 87499


Signature of new operator

April 7, 1986

Date

(This space for DOGM approval)

Approved by: _____ Title: _____ Date: _____



Columbus Energy Corp.

P. O. BOX 2038
FARMINGTON, NEW MEXICO 87499
(505) 632-8056

RF
AUG 31 1988

August 23, 1988

OIL, GAS & MINING

Utah Division of Oil, Gas and Mining
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

RE: Notice Dated August 1, 1988

Dear Sirs,

Please find enclosed the information needed to rectify the problem of excess produced water on the following wells:

Recapture Creek #1 -- Sec. 21, 40S, 23E,
✓ Tohonadla #1 -- Sec. 35, 41S, 21E,
Hickman Bluff #24-5 -- Sec. 5, 40S, 23E,

At Recapture Creek #1 tank battery we have installed a polyvinal lined evaporation pit as per Bureau of Land Management request. Please find enclosed letters, sundries and diagrams describing this pit. I believe this pit will meet your approval for disposal of reported water volumes.

At Tohonadla #1 we now have our water disposal well in service and will not be disposing of any water in an earthen pit.

For Hickman Bluff #24-5, the reported water volumes were incorrect. Please find our amended monthly produced water disposal reports attached to this letter.

If you have any questions or need further information please contact me at (505)632-8056.

Page 2 - Notice Dated Aug. 1, 1988 (Cont'd)

Thank you for your attention to this matter.

Sincerely,

Chester L. Deal

Chester L. Deal

District Production Foreman

Attach.

Chastee

NOTICE

Date: August 1, 1988

To: Columbus Energy Corp.
1860 Lincoln Street
Denver, Colorado 80295

From: UTAH DIVISION OF OIL, GAS AND MINING

During a recent examination of the Monthly Produced Water Disposal Reports, for the listed wells, a problem was observed which needs your attention in the near future.

WELLS: Recapture Creek #1/Sec.21-40S-23E
Tohonalda #1/Sec.35-41S-21E
Hickman #24-5/Sec.5-40S-23E

PROBLEM:

The reports, which you filed, indicate that produced water in excess of 5 barrels per day has been disposed of in pits which are not approved for volumes exceeding that amount. This water was reported in the following wells in the given amounts:

- Recapture Creek #1
 - 1/88-165 bbls.
 - 2/88-243 bbls.
 - 3/88-225 bbls.
 - 4/88-217 bbls.
- Tohonalda #1
 - 1/88-635 bbls.
 - 2/88-1050 bbls.
 - 3/88-1052 bbls.
 - 4/88-1016 bbls.
 - 5/88-1215 bbls.
- Hickman #24-5
 - 3/88-346 bbls.

Enclosed you will find a copy of the section of "The Oil And Gas Conservation General Rules" which pertains to this problem. Please rectify this situation as soon as possible. If you have any questions about this notice or need clarification, please call the UIC staff at (801) 538-5340.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Sterling Energy Corporation

3. Address and Telephone No.

1801 Broadway, Suite 600, Denver, Colorado 80202

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 1980' FEL (SW/4SE/4) of
Section 35, T41S-R21E

5. Lease Designation and Serial No.
BIA 14-20-603-229

6. If Indian, Allottee or Tribe Name
Navajo Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Tohonadla #1

9. API Well No.
43-037-15872-00-S1

10. Field and Pool, or Exploratory Area
Tohonadla

11. County or Parish, State
San Juan County, Utah

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective 12:01 a.m. October 1, 1990, Columbus Energy Corp. will resign as operator and the successor operator will be:

Sterling Energy Corporation
1801 Broadway, Suite 600
Denver, Colorado 80202
(303) 296-1908
BLM Bond #CO-0944

14. I hereby certify that the foregoing is true and correct.

Signed By:

Title

President

Date 10-1-90

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

FARMINGTON RESOURCE AREA

OPERATOR

BY JMW

RECEIVED
(Submit in triplicate to appropriate
BLM District Office)
SO DEC 26 PM 8:17

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT FARMINGTON, NEW MEXICO

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Utah
SERIAL NO.: BIA 14-20-603-229

and hereby designates

NAME: Sterling Energy Corporation
ADDRESS: 1801 Broadway, Suite 600, Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 41 South, Range 21 East - San Juan County, Utah
Section 25: All
Section 26: All
Section 35: All
Section 36: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

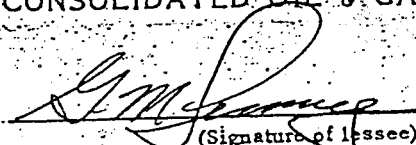
ATTEST:

Jacalyn N. Thomas
Assistant Secretary

November 1, 1990

(Date)

CONSOLIDATED OIL & GAS, INC.


(Signature of lessee)

George M. Simmons, President

410 17th Street, Suite 440
Denver, Colorado 80202

DEC 27 1990

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

FARMINGTON RESOURCE AREA

OPERATOR

BY

RECEIVED
SEP 24 1990

DESIGNATION OF AGENT OR OPERATOR - FORM 5

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: See attached exhibit

LEASE NUMBER: See attached exhibit

and hereby designates

NAME: Trinity Petroleum Management, Inc.

ADDRESS: 1801 Broadway, Suite 600, Denver, CO 80202

as his agent/operator, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to (describe acreage to which this designation is applicable):

See attached exhibit

OIL AND GAS	
DFN	RJF
JFB	GIH
DIS	SLS
<i>[Signature]</i>	
1-1/2 CR	
MICROFILM	
FILE	

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees promptly to notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation 10/1/90

By: *[Signature]*

(signature) J. Samuel Butler

Company Sterling Energy Corporation

Title: President

Address 1801 Broadway, Suite 600

Denver, CO 80202

Phone: 303-296-1908

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGRECEIVED
SEP 24 1990DIVISION OF OIL, GAS AND MINING
DESIGNATION & SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Sterling Energy Corporation		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR 1801 Broadway, Suite 600, Denver, CO 80202		9. WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		10. FIELD AND POOL, OR WILDCAT	
At proposed prod. zone		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. API NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY San Juan
			13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

New Operator

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/21/90

* Must be accompanied by a cement verification report.

Gentlemen:

Effective October 1, 1990, Sterling Energy Corporation will become operator of the wells listed on the attached schedule. Columbus Energy Corp. is the current operator of record. Sterling has been record title owner since August of 1989.

OIL AND GAS	
DFN	RJF
JFB	GLH
DIS	SLS
MICROFILM	
FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED Jerry D. SmothermonTITLE EngineerDATE 9/21/90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Exhibit to Sundry Notice
State of Utah
Sterling Energy Corporation
(owner of record)

RECEIVED
SEP 24 1990

Well Name	1/4/14	Sec.	Twn.	Rge.	Field	County	State
=====	=====	=====	=====	=====	=====	=====	=====
Bluff(Unit) # 3	NWNW	4	40S	23E	Bluff 43-037-15864	San Juan	Utah
Bluff(Unit) # 24-5	SESW	5	40S	23E	Bluff 42-037-15865	San Juan	Utah
Bluff(Unit) # 44-5	SESE	5	40S	23E	Bluff 43-037-15867	San Juan	Utah
Bluff # 42-5	SENE	5	40S	23E	Bluff 43-037-30866	San Juan	Utah
Bluff # 13-4	NWSW	4	40S	23E	Bluff 43-037-30726	San Juan	Utah
Desert Creek # 2	SESE	35	41S	23E	Desert Ck.	San Juan	Utah
Recapture Creek # 1	SESW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 2	NWSW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 3	NWSE	21	40S	23E	Recapture Ck.	San Juan	Utah
Tohonadla # 1	SWSE	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-25	NENE	25	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 23-35	NESW	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 36-1	SWSW	36	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-35	NENE	35	41S	21E	Tohonadla	San Juan	Utah
Navajo Tr. #23-1	NENE	2	42S	21E	Tohonadla	San Juan	Utah

Desert Creek #2 — 42-037-15868

Recapture Creek #1 — 43-037-15871

Recapture Creek #2 — 42-037-20727

Recapture Creek #3 — 42-037-30926

Tohonadla #1 — 42-037-15872

Tohonadla #41-25 — 43-037-15876

Tohonadla #23-35 — 43-037-15874

Tohonadla #36-1 — 42-037-20854

Tohonadla #41-35 — 43-037-15877

Navajo Tr. #23-1 — 42-037-15540

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION & SERIAL NO. *

6. INDIAN ALLOTTEE OR TRIBE NAME *

7. UNIT AGREEMENT NAME *

8. FARM OR LEASE NAME *

9. WELL NO. *

10. FIELD AND POOL, OR WILDCAT *

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA *

12. COUNTY San Juan

13. STATE Utah

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR Columbus Energy Corp.

3. ADDRESS OF OPERATOR 1860 Lincoln Street, Suite 1100, Denver, CO 80295

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
At proposed prod. zone *See attached exhibit

14. API NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐

FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐

SHOOT OR ACIDIZE ☐ ABANDON ☐

REPAIR WELL ☐ CHANGE PLANS ☐

(Other) To resign as operator

APPROX. DATE WORK WILL START

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐

FRACTURE TREATMENT ☐ ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐

(Other) (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/21/90 * Must be accompanied by a cement verification report.

Gentlemen:

Effective 12:01 A.M. October 1, 1990, Columbus Energy Corp. will resign as operator of the wells listed on the attached Exhibit. Sterling Energy Corporation, the record title owner, will become the successor operator.

OIL AND GAS

DN N RJF

JB GH

PS SLS

FILE

18. I hereby certify that the foregoing is true and correct

SIGNED Gary M. Ahlfenger TITLE Land Manager DATE 9/21/90

(This space for Federal or State office use)

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

Exhibit to Sundry Notice
State of Utah
Sterling Energy Corporation
(owner of record)

RECEIVED

SEP 24 1990

Well Name	1/4/14	Sec.	Twn.	Rge.	Field	County	State
Bluff(Unit) # 3	NWNW	4	40S	23E	Bluff 43-037-15864	San Juan	Utah
Bluff(Unit) # 24-5	SESW	5	40S	23E	Bluff 43-037-15865	San Juan	Utah
Bluff(Unit) # 44-5	SESE	5	40S	23E	Bluff 43-037-15867	San Juan	Utah
Bluff # 42-5	SENE	5	40S	23E	Bluff 43-037-30866	San Juan	Utah
Bluff # 13-4	NWSW	4	40S	23E	Bluff 43-037-30726	San Juan	Utah
Desert Creek # 2	SESE	35	41S	23E	Desert Ck.	San Juan	Utah
Recapture Creek # 1	SESW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 2	NWSW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 3	NWSE	21	40S	23E	Recapture Ck.	San Juan	Utah
Tohonadla # 1	SWSE	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-25	NENE	25	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 23-35	NESW	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 36-1	SWSW	36	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-35	NENE	35	41S	21E	Tohonadla	San Juan	Utah
Navajo Tr. #23-1	NENE	2	42S	21E	Tohonadla	San Juan	Utah

Desert Creek #2 — 43-037-15868

Recapture Creek #1 — 43-037-15871

Recapture Creek #2 — 43-037-20727

Recapture Creek #3 — 43-037-30926

Tohonadla #1 — 43-037-15872

Tohonadla #41-25 — 43-037-15876

Tohonadla #23-35 — 43-037-15874

Tohonadla #36-1 — 43-037-20854

Tohonadla #41-35 — 43-037-15877

Navajo Tr. #23-1 — 43-037-15540



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

January 8, 1991

Mr. Jerry D. Smothermon
Sterling Energy Corporation
1801 Broadway, Suite 600
Denver, Colorado 80202

Dear Mr. Smothermon:

RE: Change of Operator, Columbus Energy Corp. to Sterling Energy Corporation

Pursuant to our conversation on December 28, 1990, below is a list of wells that the Division has not approved for a change of operator. We have contacted the Bureau of Land Management in Farmington, New Mexico regarding the Indian Leases listed below and have been informed that these operator changes have not been approved by the BLM.

NAVAJO TR #23-1	SEC. 2, T. 42S, R. 21E	43-037-15540	14-20-603-270
TOHONADLA 36-1	SEC. 36, T. 41S, R. 21E	43-037-30854	14-20-603-229
DESERT CRK #2	SEC. 35, T. 41S, R. 23E	43-037-15868	14-20-603-248
TOHONADLA #1	SEC. 35, T. 41S, R. 21E	43-037-15872	14-20-603-229
TOHONADLA #23-35	SEC. 35, T. 41S, R. 21E	43-037-15874	14-20-603-229
TOHONADLA #41-25	SEC. 25, T. 41S, R. 21E	43-037-15876	14-20-603-229
TOHONADLA #41-35	SEC. 35, T. 41S, R. 21E	43-037-15877	14-20-603-229

It is requested that Sterling Energy Corporation forward copies of operator change approvals received from the Bureau of Land Management to our office to expedite the operator change process.

If we can be of further assistance, please feel free to contact me at (801)538-5340.

Sincerely,

Lisha Romero

Lisha Romero
Administrative Analyst

WE36/4

cc: Operator Change File

ENTITY ACTION FORM - FORM 6

OPERATOR STERLING ENERGY CORPORATION
ADDRESS 1801 BROADWAY, SUITE 600
DENVER, CO 80202
C/O TRINITY PETRO. MANAGEMENT

OPERATOR ACCT. NO. N 5945A

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	6290	11202	4303715872	TOHONADLA #1	SWSE	35	41S	21E	SAN JUAN	4-4-57	10-1-90
WELL 1 COMMENTS: *ENTITY 6290 IS STILL BEING USED BY COLUMBUS ENERGY CORP. *OPERATOR CHANGED FOR THESE WELLS FROM COLUMBUS TO STERLING ENERGY EFF 10-1-90.(TRINITY IS DESIG. AGENT)											
	6290	11203	4303715874	TOHONADLA #23-35	NESW	35	41S	21E	SAN JUAN	10-8-58	10-1-90
WELL 2 COMMENTS: <i>* New entities added 2-13-91. for</i>											
A	6290	11204	4303715876	TOHONADLA #41-25	NENE	25	41S	21E	SAN JUAN	8-29-58	10-1-90
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

L. ROMERO (DOGM)

Signature

ADMINISTRATIVE ANALYST 2-13-91

Title

Date

Phone No. ()

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1- LCR	6/1/88
2- DTS	2/5
3- VLC	
4- RJF	
5- RWM	
6- LCR	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) ☒ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-90)

TO (new operator) <u>TRINITY PETROLEUM MANAGEMENT</u>	FROM (former operator) <u>STERLING ENERGY CORPORATION</u>
(address) <u>1801 BROADWAY, SUITE 600</u>	(address) <u>1801 BROADWAY, SUITE 600</u>
<u>DENVER, CO 80202</u>	<u>DENVER, CO 80202</u>
phone (303) <u>296-1908</u>	phone (303) <u>296-1908</u>
account no. <u>N5945(A)</u>	account no. <u>N 5945</u>

Well(s) (attach additional page if needed):

Name: <u>NAVAJO TR #23-1/ISMY</u>	API: <u>4303715540</u>	Entity: <u>6230</u>	Sec <u>2</u> Twp <u>42S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA 36-1/PRDX</u>	API: <u>4303730854</u>	Entity: <u>6260</u>	Sec <u>36</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>DESERT CRK #2/PRDX</u>	API: <u>4303715868</u>	Entity: <u>6270</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #1/PRDX</u>	API: <u>4303715872</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #23-35/PRDX</u>	API: <u>4303715874</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-25/PRDX</u>	API: <u>4303715876</u>	Entity: <u>6290</u>	Sec <u>25</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-35/IS-DC</u>	API: <u>4303715877</u>	Entity: <u>99990</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Designation of Agent)
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) yes If yes, show company file number: # 141336. (10-1-90)
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-13-91)
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) yes (If entity assignments were changed, attach copies of Form 5, Entity Action Form). (See form)
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

FILED

1. All attachments to this form have been microfilmed. Date: _____ 19____.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

9/12/17 Btm/MOAB Handled through Farmington, Nm Btm.

9/12/17 Sterling Energy - Cathy Have not received approval as of yet. Will call when approved.

10/12/31 Btm/Farmington - Steve Mason Not approved as of yet.

10/12/31 Sterling Energy / Jerry Smotherman - Will notify NCEM of Btm approval. (See phone documentation)

11/10/24 Btm/Farmington - Accepted for record 12-27-90. (Lease # 14-20-603-229)

11/34-35

10/20/7 Other (2) leases will be covered on separate change form.

1- LCR	✓
2- DTS	✓
3- VLC	✓
4- RJF	✓
5- RWM	✓
6- LCR	✓

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)

☐ Designation of Agent

☐ Designation of Operator

☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-90)

TO (new operator) STERLING ENERGY CORPORATION
(address) 1801 BROADWAY, SUITE 600
DENVER, CO 80202

phone (303) 296-1908

account no. N5945

FROM (former operator) COLUMBUS ENERGY CORP.

(address) 1860 LINCOLN ST., #1100

DENVER, CO 80295

phone (303) 861-5252

account no. N0255

Well(s) (attach additional page if needed):

Name: <u>NAVAJO TR #23-1/ISMY</u>	API: <u>4303715540</u>	Entity: <u>6230</u>	Sec <u>2</u> Twp <u>42S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA 36-1/PRDX</u>	API: <u>4303730854</u>	Entity: <u>6260</u>	Sec <u>36</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>DESERT CRK #2/PRDX</u>	API: <u>4303715868</u>	Entity: <u>6270</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #1/PRDX</u>	API: <u>4303715872</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #23-35/PRDX</u>	API: <u>4303715874</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-25/PRDX</u>	API: <u>4303715876</u>	Entity: <u>6290</u>	Sec <u>25</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-35/IS-DC</u>	API: <u>4303715877</u>	Entity: <u>99990</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>

OPERATOR CHANGE DOCUMENTATION

- 1cp 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- 1cp 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- 1cp 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) yes If yes, show company file number: #141334 (10-1-90)
- 1cp 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 1cp 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-13-91)
- 1cp 6. Cardex file has been updated for each well listed above.
- 1cp 7. Well file labels have been updated for each well listed above.
- 1cp 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 1cp 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

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FILED

1. All attachments to this form have been microfilmed. Date: February 25 1981.

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

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901217 Sterling Energy/ Cathy Have not received approval as of yet. Will call when approved.

901 Btm/Farmington - Steve Mason - Not approved as of yet.

Sterling Energy/ Jerry Smotherman - Will notify DCEM of Btm approval. (see phone documents)

Btm/Farmington Accepted for Record 12-27-90. (Lease # 14-20-603-229)

Other (2) leases will be covered on separate change form

Basin Operating Company

370 17th Street, Suite 1800

Denver, CO 80202

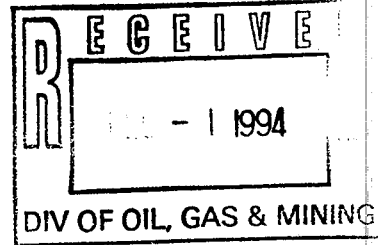
Office 303/685-8000

Fax 303/685-8010



November 30, 1994

Ms. Lisha Cordova
State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203



Re: **Sterling Energy Corporation Merger
and Change of Name**

Dear Ms. Cordova:

On November 22, 1994, Basin Energy, Inc., a Colorado corporation, merged into Sterling Energy Corporation, a Colorado corporation, and became Basin Sterling, Inc., a wholly owned subsidiary of Basin Exploration, Inc. Immediately thereafter, Basin Sterling, Inc. merged into its parent corporation, Basin Exploration, Inc., a Delaware corporation.

Sterling Energy Corporation is now, for all purposes, Basin Exploration, Inc. Attached are copies of Certificates of Merger from the states of Colorado and Delaware, evidencing the corporate mergers described above.


The address of Basin Exploration, Inc. is 370 17th Street, Suite 1800, Denver, Colorado. Please change all Sterling Energy Corporation records to reflect the new name and address.

Basin Operating Company (the wholly owned operating subsidiary of Basin Exploration, Inc.) will, by operation of law, become the operator of the properties on December 1, 1994. Sundry notices (Form 9) and exhibits for the properties are enclosed.

Please contact me if you have any additional questions regarding this merger.

Yours very truly,

BASIN OPERATING COMPANY


Judi Roys
Production

Enclosure

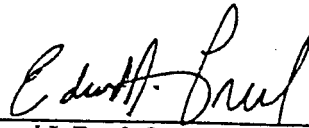
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"BASIN STERLING, INC.", A COLORADO CORPORATION,
WITH AND INTO "BASIN EXPLORATION, INC." UNDER THE NAME OF
"BASIN EXPLORATION, INC.", A CORPORATION ORGANIZED AND EXISTING
UNDER THE LAWS OF THE STATE OF DELAWARE, WAS RECEIVED AND FILED
IN THIS OFFICE THE TWENTY-SECOND DAY OF NOVEMBER, A.D. 1994, AT
4:30 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID
CORPORATION SHALL BE GOVERNED BY THE LAWS OF THE STATE OF
DELAWARE.




Edward J. Freel, Secretary of State

2289801 8330

944226741

AUTHENTICATION:

DATE:

7312955

11-23-94

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator: BASIN OPERATING COMPANY

3. Address and Telephone Number: 370 17TH STREET, SUITE 1800, DENVER, CO 80202
(303) 685-8500

4. Location of Well

Footages:

SEE ATTACHED

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

9. API Well Number:

10. Field and Pool, or Wildcat:

County: SAN JUAN

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

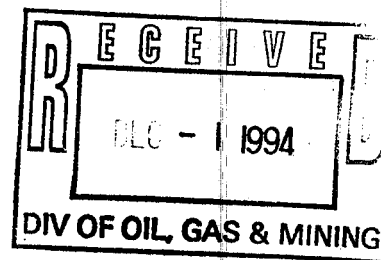
- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change name of operator due to corporate merger.</u> | |

Date of work completion December 1, 1994
(effective date)Report results of Multiple Completions and Recompletions to different reservoirs on WELL
COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FORMER NAME OF OPERATOR:

Sterling Energy Corporation
Z Trinity Petro Mgt Inc.
1801 Broadway, Suite 600
Denver, CO 80202

13.

Name & Signature: *David M. Blauz*Title: V.P. & CHIEF OPERATING OFFICER Date: 11/30/94

(This space for State use only)

FIELD	WELL NAME	API #	COUNTY	ST	SEC	TWN	RGE	1/4 1/4	LEASE #
-------	-----------	-------	--------	----	-----	-----	-----	---------	---------

(entity#)

BLUFF	BLUFF 13- 4	430373072600	SAN JUAN	UT	4	40S	23E	NWSW	11146
BLUFF	BLUFF 24-5	430371586500	SAN JUAN	UT	5	40S	23E	SESW	
BLUFF	BLUFF 3	430371586400	SAN JUAN	UT	4	40S	23E	NWNW	
BLUFF	BLUFF 42- 5	430373086600	SAN JUAN	UT	5	40S	23E	SENE	
BLUFF	BLUFF 44-5	430371586700	SAN JUAN	UT	5	40S	23E	SESE	
✓ DESERT CREEK	DESERT CREEK 2	430371586800	SAN JUAN	UT	35	41S	23E	SESE	06270
RECAP . CREEK	RECAPTURE CREEK 1	430371587100	SAN JUAN	UT	21	40S	23E	SESW	06265
RECAP . CREEK	RECAPTURE CREEK 2	430373072700	SAN JUAN	UT	21	40S	23E	NWSW	06255
RECAP . CREEK	RECAPTURE CREEK 3	430373092600	SAN JUAN	UT	21	40S	23E	NWSE	08450
✓ TOHONADLA	NAVAJO TR #23-1	1554/0 430374056500	SAN JUAN	UT	2	42S	21E	NENE	06230
✓ TOHONADLA	TOHONADLA 1	430371587200	SAN JUAN	UT	35	41S	21E	SWSE	11202
✓ TOHONADLA	TOHONADLA + 36-1	30854/430371587200	SAN JUAN	UT	35	41S	21E	SWSE	
✓ TOHONADLA	TOHONADLA + 23-35	15874/430371587200	SAN JUAN	UT	35	41S	21E	SWSE	
✓ TOHONADLA	TOHONADLA + 41-25	15876/430371587200	SAN JUAN	UT	35	41S	21E	SWSE	
✓ TOHONADLA	TOHONADLA + 2-35	31568430371587200	SAN JUAN	UT	35	41S	21E	SWSE	

ARTICLES OF MERGER FOR THE MERGER OF
BASIN ENERGY, INC.,
a Colorado corporation, into
STERLING ENERGY CORPORATION,
a Colorado corporation

RECEIVED
1994 NOV 22 PM 3:30
SECRETARY OF STATE
STATE OF COLORADO

Pursuant to the provisions of Section 7-111-101 of the Colorado Business Corporation Act, the undersigned corporation has caused an officer to execute these Articles of Merger for the purpose of filing with the Secretary of State of the State of Colorado.

Article I

The "Agreement and Plan of Merger" attached hereto as Exhibit A and incorporated herein by reference has been approved and adopted by the directors and the shareholders of Basin Energy, Inc., a Colorado corporation ("Basin"), in the manner provided by the laws of the State of Colorado and by the directors and the shareholders of Sterling Energy Corporation, a Colorado corporation ("Sterling"), in the manner provided by the laws of the State of Colorado. Sterling is the surviving corporation, however, the name of the surviving entity shall be Basin Sterling, Inc. ("BSI").

Article II

As to Basin, the number of shares cast for the Agreement and Plan of Merger by each voting group entitled to vote separately thereon was sufficient for approval thereof.

As to Sterling, the number of shares cast for the Agreement and Plan of Merger by each voting group entitled to vote separately thereon was sufficient for approval thereof.

Article III

The Merger is to be effective on and as of the date upon which these Articles of Merger are filed with the Secretary of State of the State of Colorado.

Article IV

BSI agrees that it will promptly pay to any dissenting shareholders the amount, if any, to which they may be entitled under the provisions of the Colorado Business Corporation Act with respect to the rights of dissenting shareholders.

Article V

BSI agrees that it may be served with process in any proceeding for the enforcement of any obligation of Basin and in any proceeding for the enforcement of the rights of a dissenting shareholder against BSI.

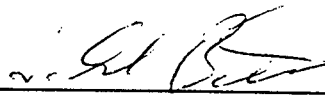
Such service of process, if any, shall be sent by registered or certified mail to its principal office at:

Basin Sterling, Inc.
c/o Basin Exploration, Inc.
370 Seventeenth Street, Suite 1800
Denver, Colorado 80202


Attention: Howard L. Boigon
Vice President - General
Counsel and Secretary

Executed this 22nd day of November, 1994

STERLING ENERGY CORPORATION,
a Colorado corporation

By 
J. Samuel Butler, President

BASIN ENERGY, INC.,
a Colorado corporation

By 
Michael S. Smith, President

ARTICLES OF MERGER FOR THE MERGER OF
BASIN STERLING, INC.,
a Colorado corporation, into
BASIN EXPLORATION, INC.,
a Delaware corporation

RECEIVED
1994 NOV 22 PM 3:35
SECRETARY OF STATE
STATE OF COLORADO

Pursuant to the provisions of Sections 7-111-107 and 7-111-104 of the Colorado Business Corporation Act, the undersigned corporation has caused an officer to execute these Articles of Merger for the purpose of filing with the Secretary of State of the State of Colorado.

Article I

The "Plan of Merger" attached hereto as Exhibit A and incorporated herein by reference has been approved and adopted by the directors of Basin Exploration, Inc., a Delaware corporation ("Basin"), in the manner provided by the laws of the states of Delaware and Colorado.

Article II

Basin owns 100% of each class of the issued and outstanding capital stock of BSI.

ARTICLE III

As to BSI, no shareholder approval was required for the merger.

As to Basin, no stockholder approval was required for the merger.

Article IV

The Merger is to be effective on and as of the date upon which these Articles of Merger are filed with the Secretary of State of the State of Colorado.

Article V

Basin agrees that it may be served with process in any proceeding for the enforcement of any obligation of BSI.

Such service of process, if any, shall be sent by registered or certified mail to its principal office at:

Basin Exploration, Inc.
Suite 1800
370 17th Street
Denver, Colorado 80202
Attention: Howard L. Boigon, Vice President -
General Counsel and Secretary

Executed this 22nd day of November, 1994

Basin Exploration, Inc.,
a Delaware corporation

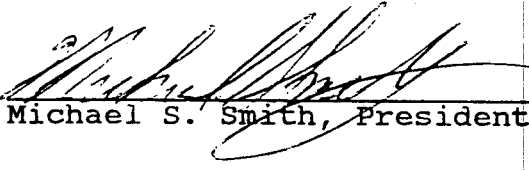
By 
Michael S. Smith, President

Exhibit A

PLAN OF MERGER

THIS PLAN OF MERGER, dated as of November 22, 1994, is to provide for the merger of Basin Sterling, Inc., a Colorado corporation ("BSI"), into Basin Exploration, Inc., a Delaware corporation ("Basin"). BSI and Basin are sometimes hereafter together referred to as the "Constituent Corporations."

WHEREAS, BSI is a corporation duly organized and existing under the laws of the State of Colorado, having an authorized capital stock of 10,000 shares of Common Stock, \$.01 par value (the "BSI Common Stock");

WHEREAS, 1,000 shares of BSI Common Stock are issued and outstanding and owned by Basin, and are the only shares of capital stock of BSI issued and outstanding;

WHEREAS, the board of directors of Basin has determined that it is advisable and in the best interests of such corporations that BSI merge with and into Basin as authorized by the statutes of the states of Colorado and Delaware and upon the terms and subject to the conditions of this Agreement; and

WHEREAS, the board of directors of Basin has, by resolutions duly adopted, approved this Plan and, pursuant to the statutes of the states of Colorado and Delaware, no shareholder or stockholder approval was required.

NOW, THEREFORE, it is resolved as follows:

1. Merger. Upon the terms and subject to the conditions set forth in this Plan, BSI shall be merged with and into Basin (the "Merger"), and Basin shall be the surviving corporation (sometimes hereafter referred to as the "Surviving Corporation"). The name of the Surviving Corporation shall be Basin Exploration, Inc. The Merger shall become effective (the "Effective Time") upon the time and date of filing of such documents as required under applicable law.

2. Governing Documents. The certificate of incorporation of Basin, as in effect immediately prior to the Effective Time, shall be the certificate of incorporation of the Surviving Corporation without change or amendment until thereafter amended in accordance with applicable law. The bylaws of Basin, as in effect immediately prior to the Effective Time, shall be the bylaws of the Surviving Corporation without change or amendment until thereafter amended in accordance with applicable law. References to "the corporation" in Article 6 of the bylaws of Basin shall include BSI, in addition to Basin, so that any person who was a director or officer of BSI or is or was serving at the request of BSI as a director, employee, or agent

of another corporation, partnership, joint venture, trust, association, or other entity shall stand in the same position under the provisions of said Article 6 with respect to Basin as he would if he had served Basin in the same capacity or is or was so serving such other entity at the request of Basin, as the case may be.

3. Succession; Officers and Directors. At the Effective Time, the separate corporate existence of BSI shall cease, and Basin as the Surviving Corporation shall possess all the rights, privileges, powers and franchises of a public and private nature and be subject to all the restrictions, disabilities and duties of BSI; and all rights, privileges, powers and franchises of BSI, and all property, real, personal and mixed, and all debts due to BSI on whatever account, as well as for share subscriptions and all other things in action belonging to BSI, shall be vested in the Surviving Corporation; and all property, rights, privileges, powers and franchises, and all and every other interest shall be thereafter as effectively the property of the Surviving Corporation as they were of BSI, and the title to any real estate vested by deed or otherwise in BSI, shall not revert or be in any way impaired by reason of the Merger; but all rights of creditors and all liens upon any property of BSI shall be preserved unimpaired, and all debts, liabilities and duties of BSI shall thenceforth attach to the Surviving Corporation and may be enforced against it to the same extent as if such debts, liabilities and duties had been incurred or contracted by the Surviving Corporation. All corporate acts, plans, policies, agreements, arrangements, approvals and authorizations of BSI, its shareholders, Board of Directors and committees thereof, officers and agents which were valid and effective immediately prior to the Effective Time, shall be taken for all purposes as the acts, plans, policies, agreements, arrangements, approvals and authorizations of Basin and shall be as effective and binding thereon as the same were with respect to BSI.

At the Effective Time, except as provided elsewhere in this Plan, the officers of Basin shall become the officers of the Surviving Corporation to hold the positions in the Surviving Corporation to which they have been elected as officers of Basin and to serve in accordance with the bylaws of the Surviving Corporation.

At the Effective Time, the following persons shall become and constitute the board of directors, and the members thereof, of the Surviving Corporation until their respective successors shall have been duly elected and qualified, or until their earlier death, resignation or removal: Michael S. Smith, Arthur L. Angeli, David M. Blandford, J. Paul Hellstrom, Melvin O. Glerup, Larry D. Unruh, and Michael A. Nicolais.

4. Further Assurances. From time to time, as and when required by Basin, or by its successors and assigns, there

shall be executed and delivered on behalf of BSI such deeds and other instruments, and there shall be taken or caused to be taken by it all such further and other action, as shall be appropriate or necessary in order to vest, perfect or confirm, of record or otherwise, in Basin the title to and possession of all property, interests, assets, rights, privileges, immunities, powers, franchises and authority of BSI, and otherwise to carry out the purposes of this Plan, and the officers and directors of Basin are fully authorized in the name and on behalf of BSI or otherwise, to take any and all such action and to execute and deliver any and all such deeds and other instruments.

5. **Cancellation of Common Stock.** The 1,000 shares of BSI Common Stock presently issued in the name of Basin shall be cancelled and retired and no shares or other security shall be issued in respect thereof.

6. **Amendment.** Subject to applicable law, this Plan may be amended, modified or supplemented by the board of directors of Basin at any time prior to the Effective Time.

7. **Abandonment.** At any time prior to the Effective Time, this Plan may be terminated and the Merger may be abandoned by the board of directors of Basin, if circumstances arise which, in the opinion of the board of directors of Basin, make the Merger inadvisable.

8. **Service of Process.** The Surviving Corporation, from and after the Effective Time, agrees that it may be sued and served with process in the State of Colorado at 370 17th Street, Suite 1800, Denver, Colorado 80202, to the attention of Howard L. Boigon, Vice-President - General Counsel and Secretary, in any proceeding for the enforcement of any obligation of BSI.

9. **Governing Law.** This Plan shall be governed by and construed in accordance with the laws of the State of Delaware.

IN WITNESS WHEREOF, Basin has caused this Plan to be signed by its duly authorized officers as of the date first above written.

ATTEST:

BASIN EXPLORATION, INC., a
Delaware corporation

By Howard L. Boigon
Howard L. Boigon, Secretary

By Michael S. Smith
Michael S. Smith, President

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O TRINITY PETRO MGT INC
STERLING ENERGY CORP
1801 BROADWAY STE 600
DENVER CO 80202

UTAH ACCOUNT NUMBER: N5945

REPORT PERIOD (MONTH/YEAR): 10 / 94

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
NAVAJO TR #23-1								
4303715540	06230	42S 21E 2	ISMV			142603270		
RECAPTURE CREEK 2								
4303730727	06255	40S 23E 21	IS-DC			467890	"Non Unit Well"	5/19/95 to Basin Exp.
TOHONADLA 36-1								
4303730854	06260	41S 21E 36	PRDX			142603229		
DESERT CREEK 2								
4303715868	06270	41S 23E 35	PRDX			142603248		
RECAPTURE CREEK #3								
4303730926	08450	40S 23E 21	DSCR			467890	"Non Unit Well"	5/19/95 to Basin Exp.
TOHONADLA #1								
43715872	11202	41S 21E 35	PRDX			142603229		
TOHONADLA #23-35								
4303715874	11202	41S 21E 35	PRDX			"		
TOHONADLA #41-25								
4303715876	11202	41S 21E 25	PRDX			"		
TOHONADLA 2-35								
4303731568	11202	41S 21E 35	ISMV			"		
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge. Date:

Name and Signature: Telephone Number:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
1420603229

6. If Indian, Allottee or Tribe Name
NAVAJO

7. If Unit or CA, Agreement Designation

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area
TOHONADLA

11. County or Parish, State

SAN JUAN, UTAH

SUBMIT IN TRIPLICATE 070 FARMINGTON, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BASIN OPERATING COMPANY

3. Address and Telephone No.

370 17TH STREET, SUITE 1800, DENVER, CO 80202 (303) 685-8000

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

SEE ATTACHED EXHIBIT

41S 21E Sec. 35

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other CHANGE NAME OF OPERATOR
DUE TO CORPORATE MERGER

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FORMER NAME OF OPERATOR: STERLING ENERGY CORPORATION

RECEIVED
HQB DISTRICT OFFICE
94 DEC -5 PM 1:04
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1 Tohonadla
30638

RECEIVED
OCT 06 1995

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title V.P. CHIEF OPERATING OFFICER

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

Date

AUG 24 1995

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

FARMINGTON COPY

ACCEPTED FOR RECORD
FARMINGTON DISTRICT OFFICE
BY *[Signature]*

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEC 7-PL	✓
2	LWP 8-SJ	✓
3	DTS 9-FILE	✓
4	VLO	✓
5	RJF	✓
6	LWP	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (~~well sold~~) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change ~~Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-22-94)

TO (new operator) **BASIN EXPLORATION INC**
 (address) **370 17TH ST STE 1800**
DENVER CO 80202
JUDI ROYS
 phone (303) **685-8000**
 account no. **N5070**

FROM (former operator) **STERLING ENERGY CORP**
 (address) **C/O BASIN EXPLORATION INC**
370 17TH ST STE 1800
DENVER CO 80202
 phone (303) **685-8000**
 account no. **N5945(A)**

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>037-15872</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(filed 12-1-94 / articles of merger)*
- lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(filed 12-1-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- lec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(10-18-95)*
- Lwp 6. Cardex file has been updated for each well listed above. *10-19-95*
- Lwp 7. Well file labels have been updated for each well listed above. *10-19-95*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(10-18-95)*
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes) (no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ____ 2. A copy of this form has been placed in the new and former operators' bond files.
- ____ 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: October 25 1995.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950519 Basin Expl. Inc. / Gudi Rags - Oper. of wells Basin Expl. Inc. Not Basin Oper. Co.
(Corrects letter dated 11-30-94)

* other wells "Recapture Creek Unit & Bluff Unit & 2/Frd. lease wells" separate change (5/22)

950522 Sterling address updated to Sterling Co Basin Expl. Inc from Sterling Co Trinity Petro.
until final "merger appr. from BIA".

WE71/34-35

951018 BLM accepted for Record 8-24-95. (Farmington, Nm)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER _____

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:

9. API NUMBER:

3. ADDRESS OF OPERATOR:

PHONE NUMBER:

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

CITY

STATE

ZIP

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 2/1/01 Basin Exploration, Incorporated merged with Stone Energy. The new name is as follows:

Stone Energy, L.L.C.
1670 Broadway, Suite 2800
Denver, CO 80202

Blanket Bond #RLB0002054

Attached is the list of wells that will be effected in the State of Utah. Also attached for your files is a copy of the merger documentation.

Stone Energy, L.L.C.

Basin Exploration, Inc.

Pat Jackson - Denver District
Manager

Gerald D. Gentry Operations Manager

NAME (PLEASE PRINT) Terry L. Hoffman

TITLE Engineering Technician

SIGNATURE

DATE 2/1/01

(This space for State use only)

RECEIVED

MAR 05 2001

DIVISION OF
OIL, GAS AND MINING

Lease #	Well Name & Number	API Number	Field	Legal Location	County
UTU 75140	Bierstat #21-13	4303731703	Wildcat	NE NW 13 T40S R22E	San Juan
SL 067701	Bluff #10	4303715328	Desert Creek	SW SW 30-T39S-R23E	San Juan
SL 071403A	Bluff #13-4	4303730726	Bluff	NW SE 4-T40S-R23E	San Juan
SL 067701	Bluff #16	4303730989	Desert Creek	SW SE 29-T39S-R23E	San Juan
ML 2008	Bluff #2	4303716538	Desert Creek	SE NW 32-T39S-R23E	San Juan
SL 071403A	Bluff #42-5	4303730866	Desert Creek	SE NE 5-T40S-R23E	San Juan
SL 071403A	Bluff #44-5	4303715867	Bluff	SE SE 5-T40S-R23E	San Juan
892000782A	Bluff #9	4303715327	Desert Creek	NE SE 30-T-39S-T23E	San Juan
892000782A	Bluff State #1	4303720236	Desert Creek	NW NW 32-T39S-R23E	San Juan
SL 067701	Bluff Unit #14	4303730533	Desert Creek	NE SE 30-T-39S-T23E	San Juan
1420603248	Desert Creek #11-35	4303731806	Wildcat	NW NE 35-T41S-R23E	San Juan
1420603248	Desert Creek #2 ✓	4303715868	Desert Creek	SE SE 35-T41S-R23E	San Juan
1420603270	Navajo Tribal #23-1 ✓	4303710535	Tohonadla	NE NE 2-T42S-21E	San Juan
U-01890	Recapture Creek #1	4303715871	Recapture Creek	SE SE 21-T40S-R23E	San Juan
U-01890	Recapture Creek #2	4303730727	Recapture Creek	NW SW 21-T40S-R23E	San Juan
U-01890	Recapture Creek #3 ✓	4303730926	Recapture Creek	NW SE 21-T40S-R23E	San Juan
1420603229	Tohonadla #1 ✓	4303715872	Tohonadla	SW SE 35-T41S-R21E	San Juan
1420603229	Tohonadla #23-35 ✓	4303715874	Tohonadla	NE SW 35-T41S-R21E	San Juan
1420603229	Tohonadla #2-35 ✓	4303731568	Tohonadla	N2 S2 35-T41S-R21E	San Juan

4303715872	BASIN EXPLORATION INC	1 TOHONADLA	POW	1420603229*BEI	1420603229*BEI	41S	21E	35	SWSE
4303715874	BASIN EXPLORATION INC	23-35 TOHONADLA	POW	1420603229*BEI	1420603229*BEI	41S	21E	35	NESW
4303715876	BASIN EXPLORATION INC	41-25 TOHONADLA	P+A	1420603229*BEI	1420603229*BEI	41S	21E	25	NENE
4303716538	BASIN EXPLORATION INC	2 BLUFF STATE ✓	OSI	STATE	STATE	39S	23E	32	SENW
4303720236	BASIN EXPLORATION INCORPORATED	1 BLUFF UNIT-STATE ✓	POW	STATE	892000782A	39S	23E	32	NWNW
4303730533	BASIN EXPLORATION INCORPORATED	14 BLUFF UNIT ✓	POW	UTSL067701*DUG	892000782A	39S	23E	30	NESE
4303730726	BASIN EXPLORATION INCORPORATED	13-4 BLUFF ✓	POW	UTSL071403A	8920007820	40S	23E	4	NWSW
4303730727	BASIN EXPLORATION INCORPORATED	2 RECAPTURE CREEK ✓	POW	UTU01890	UTU01890	40S	23E	21	NWSW
4303730854	BASIN EXPLORATION INC	36-1 TOHONADLA	P+A	1420603229*BEI	1420603229*BEI	41S	21E	36	SWSW
4303730866	BASIN EXPLORATION INCORPORATED	42-5 BLUFF ✓	POW	UTSL071403A	8920007820	40S	23E	5	SENE
4303730926	BASIN EXPLORATION INCORPORATED	3 RECAPTURE CREEK	TA	UTU01890	UTU01890	40S	23E	21	NWSE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
BIA 14-20-603-229

6. If Indian, Allottee, or Tribe Name
Navajo Tribe

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Tohonadla #1

9. API Well No.

43-037-15872

10. Field and Pool, or Exploratory Area

Tohonadla

11. County or Parish, State

San Juan County, Utah

SUBMIT IN TRIPLICATE- Other Instructions on the reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Stone Energy, L.L.C.

3a. Address

1670 Broadway, Suite 2800 - Denver, CO 80202

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW SE Section 35-T41S-R21E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☐ Acidize

☐ Deepen

☐ Production (Start/ Resume)

☐ Water Shut-off

☒ Subsequent Report

☐ Altering Casing

☐ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Casing Repair

☐ New Construction

☐ Recomplete

☐ Other

☐ Change Plans

☐ Plug and abandon

☐ Temporarily Abandon

☐ Final Abandonment Notice

☐ Convert to Injection

☐ Plug back

☒ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required susequet reports shqll be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in anew interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

See Attachments

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RECEIVED

JUN 25 2001

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Terry L. Hoffman

Title

Engineering Technician

Signature

Date

6/21/01

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Onshore Order Number 7 Requirements

Lease # 14-20-603-229 (Tohonadla)

1. *Name of formations producing water on the lease.* Lower Ismay, Desert Creek, and Barker Creek (production is commingled)
2. *Amount of water produced from all formations.* Lease produces 19 barrels of water per day.
3. *Water analysis attached.*
4. *How is water stored on the lease?* Water is stored in a 400-barrel water tank at the tank battery.
5. *How is water moved to the disposal facility?* Water is trucked to the disposal facility.
6. *Disposal Facility*
 - a. *Facility Operators Name.* Montezuma Well Service
 - b. *Name of Facility.* Montezuma Well Service Evaporation Pond
 - c. *Type of Facility.* Evaporation Pond
 - d. *Location.* Need to find this
7. *A copy of Disposal Facility Permit is attached.*

TRETOLITE DIVISION
 (405) 728-9958
 Fax (405) 728-8043

 Company : STERLING ENERGY
 Address :
 Lease : TOHONADLA
 Well : 1
 Sample Pt. :

 Date : 7-27-94
 Date Sampled : 6-23-94
 Analysis No. :

ANALYSIS	mg/L	* meq/L
1. pH	6.5	
2. H ₂ S	10.0	
3. Specific Gravity	1.038	
4. Total Dissolved Solids	56990.6	
5. Suspended Solids		
6. Dissolved Oxygen		
7. Dissolved CO ₂		
8. Oil In Water		
9. Phenolphthalein Alkalinity (CaCO ₃)		
10. Methyl Orange Alkalinity (CaCO ₃)	350.0	
11. Bicarbonate	HCO ₃ 427.0	HCO ₃ 7.0
12. Chloride	Cl 33420.8	Cl 942.8
13. Sulfate	SO ₄ 1775.0	SO ₄ 37.0
14. Calcium	Ca 4649.3	Ca 232.0
15. Magnesium	Mg 722.0	Mg 59.4
16. Sodium (calculated)	Na 15985.5	Na 695.3
17. Iron	Fe 11.0	
18. Barium	Ba 0.0	
19. Strontium	Sr 0.0	
20. Total Hardness (CaCO ₃)	14583.1	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
232 *Ca <----- *HCO ₃	Ca(HCO ₃) ₂	81.0	7.0	567
/----->	CaSO ₄	68.1	37.0	2516
59 *Mg -----> *SO ₄	CaCl ₂	55.5	188.0	10434
<-----/	Mg(HCO ₃) ₂	73.2		
695 *Na -----> *Cl	MgSO ₄	60.2		
+-----+	MgCl ₂	47.6	59.4	2828
Saturation Values Dist. Water 20 C	NaHCO ₃	84.0		
CaCO ₃ 13 mg/L	Na ₂ SO ₄	71.0		
CaSO ₄ * 2H ₂ O 2090 mg/L	NaCl	58.4	695.3	40635
BaSO ₄ 2.4 mg/L				

REMARKS: SALES ENGINEER : S. HARBISON

 Petrolite Oilfield Chemicals Group
 Mid-Continent Region
 5601 Northwest 72nd, Suite 324
 Oklahoma City, OK 73132

Respectfully submitted,

KRISTEN CASE

STATE OF UTAH
DEPARTMENT OF HEALTH

NORMAN H. BANGERTE, GOVERNOR

SUZANNE DANDOO, M.D., M.P.H., EXECUTIVE DIRECTOR

May 15, 1985
533-6146Mr. C.W. Roach, President
Hay Hot Oil, Inc.
P.O. Box 9
Montezuma Creek, Utah 84534

Pit # 14 T40S R22E

RE: Final Approval, Produced Water
Disposal Pit Located: SW1/4,
SE1/4, Section 14, T40S, R22E,
San Juan County, Utah

Dear Mr. Roach:

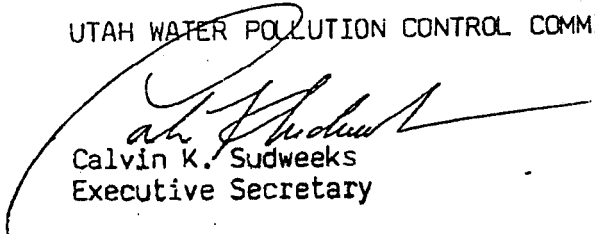
We have made an onsite final inspection of the above referenced disposal pit. It appears that the construction of the facilities at the location meet the requirements of the construction permit issued March 11, 1985. Therefore, final approval is hereby granted for use of this facility for disposal of produced water and drilling wastes from oil and gas wells.

We remind you that monitoring of the leak detection system must be done on a regular basis. The frequency must be at least monthly with samples taken and analyzed for all of the parameters in Appendix A of the Part VI regulations, when water is present. A summary of all observations and analyses, including time and date, must be sent to this office by the 28th day of the month following the end of a calendar quarter.

If there are questions regarding this approval please contact Brian Nelson of this office.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE


Calvin K. Sudweeks
Executive Secretary

BLN:tf

cc: Wayne Ball, Southeastern District Health Department
Division of Oil, Gas and Mining
BLM, Moab District Office
Utah Board of State Lands
Division of Water Rights

0474



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF STATE LANDS AND FORESTRY

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Richard J. Mitchell
Division Director

Southeastern Area
89 East Center Street
Moab, Utah 84532-2444
801-259-6316

October 13, 1992

Earl Martinez
Montezuma Well Service
P.O. Box 540
Montezuma Creek, UT 84534

RE: Assignment of SULA 656 and ROW 2995

Dear Mr. Martinez:

On October 10, 1992, the Director of State Lands and Forestry approved the assignment of the above referenced special use lease and right of way to Montezuma Creek Well Service from Hay Hot Oil, Inc. Enclosed please find fully executed assignment documents for your reference and file.

If we can be of further assistance, please don't hesitate to contact our office.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Jeanine Kleinke'.

JEANINE J. KLEINKE
OFFICE TECHNICIAN

cc: Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505

Hay Hot Oil, Inc.
PO Box 9
Montezuma Creek, UT 84534

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **02/01/2001****FROM:** (Old Operator):

Basin Exploration, Inc
1670 Broadway, Suite 2800
Denver, CO 80202
Phone: (303) 685-8000
Account No. N5070

TO: (New Operator):

Stone Energy, LLC
1670 Broadway, Suite 2800
Denver, CO 80202
Phone: (303) 685-8000
Account No. N1555

CA No.

Unit: Bluff

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BLUFF 3	04	400S	230E	4303715864	11146	Federal	OW	PA
BLUFF 24-5	05	400S	230E	4303715865	11146	Federal	OW	PA
NOT IN UNITS								
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	S
TOHONADLA 41-25	25	410S	210E	4303715876	11202	Indian	OW	PA
TOHONADLA 36-1	36	410S	210E	4303730854	6260	Indian	OW	PA
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
DESERT CREEK 11-35	35	410S	230E	4303731806	*	Indian	OW	LA
* LA 10/11/2001 (after merger)								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 03/05/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/05/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/27/2003
- Is the new operator registered in the State of Utah: YES Business Number: 4874937-0161

5. If **NO**, the operator was contacted contacted on: _____
6. (R649-9-2)Waste Management Plan has been received on: IN PLACE
-
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 03/23/2001
-
8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 03/23/2001
-
9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
-
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inj for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: _____ 06/27/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: _____ 06/27/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: RLB0002054

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: _____

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
-
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-229
2. NAME OF OPERATOR: Stone Energy, L.L.C. <u>N 1555</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
3. ADDRESS OF OPERATOR: 1801 Broadway, St. 700 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 660 FSL and 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 35 41S 21E		8. WELL NAME and NUMBER: Tohonadla 1
PHONE NUMBER: (303) 685-8000		9. API NUMBER: 4303715872
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Tohonadla
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Transfer of Interest/</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Operations</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2004, Stone Energy, L.L.C. is transferring title interest and operations of this well to Matrix Production Company, whose address is 5725 Commonwealth Blvd., Sugar Land, Texas 77479, Tele: 281-265-1212. The Matrix bonding is as follows: (1) BIA lands U.S. Specialty Insurance Company Bond No. B 001183 for \$ 120,000.00 (2) State of Utah Trust lands, U.S. Specialty Insurance Company Bond No. B 001043 for \$ 10,000.00 and (3) BLM lands U.S. Specialty Insurance Company Bond No. B 001041 for \$ 25,000.00.

MATRIX PRODUCTION COMPANY N 2660

By: [Signature]
(Signature)
Name: Larry W. Lathrop

Title: Vice President

Date: 6/30/2004

NAME (PLEASE PRINT) Michael E. Cuba TITLE Denver District Manager
SIGNATURE [Signature] DATE 6/30/2004

(This space for State use only)

APPROVED 10/27/04
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED
OCT 04 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

When CA No.

6/1/2004

FROM: (Old Operator):

N1555-Stone Energy, LLC
1801 Broadway, Suite 700
Denver, CO 80202

Phone: 1-(303) 685-8000

TO: (New Operator):

N2660-Matrix Production Company
5725 Commonwealth Blvd
Sugar Land, TX 77479

Phone: 1-(281) 265-1212

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BLUFF 16	29	390S	230E	4303730989	632	Federal	OW	P
BLUFF ST 2	32	390S	230E	4303716538	629	State	OW	S
RECAPTURE CREEK 2	21	400S	230E	4303730727	6255	Federal	OW	P
RECAPTURE CREEK 3	21	400S	230E	4303730926	8450	Federal	OW	S
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
RECAPTURE CREEK 1	21	400S	230E	4303715871	6265	Federal	OW	S
BLUFF U 9	30	390S	230E	4303715327	625	Federal	OW	S
BLUFF U 14	30	390S	230E	4303730533	625	Federal	OW	P
BLUFF U ST 1	32	390S	230E	4303720236	625	State	OW	S
BLUFF 13-4	04	400S	230E	4303730726	11146	Federal	OW	P
BLUFF 44-5	05	400S	230E	4303715867	11146	Federal	OW	P
BLUFF 42-5	05	400S	230E	4303730866	11146	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 10/4/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 10/4/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/26/2004
- Is the new operator registered in the State of Utah: YES Business Number: 5681279-0143
- If **NO**, the operator was contacted on: _____

6a. (R649-9-2) Waste Management Plan has been received on: _____

6b. Inspections of LA PA state/fee well sites complete on: _____

n/a

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: not yet

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 10/27/2004
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 10/27/2004
3. Bond information entered in RBDMS on: 10/27/2004
4. Fee/State wells attached to bond in RBDMS on: 10/27/2004
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: B001041

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: B001183

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number B001044 and B001045
2. The FORMER operator has requested a release of liability from their bond on: held at TLA
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

**THE
NAVAJO
NATION**

MINERALS DEPARTMENT
Post Office Box 1910
Window Rock, Arizona 86515
Telephone: (928) 871-6587/6588
Telefax: (928) 871-7095

Joe Shirley, Jr.
President

Frank Dayish, Jr.
Vice President

November 16, 2004

Mr. Larry W. Lathrop
Vice President
Matrix Production Company
5725 Commonwealth Blvd.
Sugar Land, TX 77479

NOV 22 2004

SUBJECT: Application for Navajo Nation Oil & Gas Lease Assignments

Dear Mr. Lathrop:

As we discussed on the telephone on November 15, 2004, we have completed review of the following Navajo Nation oil and gas leases:

<u>Lease No.</u>	14-20-603-229
	14-20-603-236 *
	14-20-603-248
	14-20-603-270

We have determined that we will recommend the leases, except Lease #14-20-603-236, for the Navajo Nation's consideration to exercise its first right of refusal as provided in the Navajo Nation Code, Title 18, Section 605. We will appreciate it if you would provide a copy of this letter to Stone Energy.

Please call me at (928) 871-6587 if you have any questions.

Sincerely,

Akhtar Zaman
Akhtar Zaman, Director
Minerals Department

AZ/cab

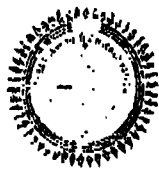
RECEIVED
JAN 06 2005
DIV. OF OIL, GAS & MINING

Dec-17-04 14:13

From: Minerals Department

9288717085

T-707 P.02/02 F-743



**THE
NAVAJO
NATION**

COPY

MINERALS DEPARTMENT
Post Office Box 1910
Window Rock, Arizona 86515
Telephone: (928) 871-6587/6588
Telefax: (928) 871-7095

Joe Shirley, Jr.
President

December 17, 2004

Frank Dayish, Jr.
Vice President

VIA FACSIMILE: (281) 265-1778

Mr. Larry W. Lathrop
Vice President
Matrix Production Company
5725 Commonwealth Blvd.
Sugar Land, TX 77479

SUBJECT: Application for Navajo Nation Oil & Gas Lease Assignments

Dear Mr. Lathrop:

This is to follow up on my previous letter to you dated November 16, 2004 and subsequent telephone conversation with you and Mr. Michael Cuba with Stone Energy, L.L.C. At this time, we are ready to proceed with the acquisition of three (3) leases (14-20-604-229, -248 and -270) subject to the review of the Assets Sale Agreement (Agreement) between Stone Energy, L.L.C. and Matrix Production Company. On December 16, 2004, I requested Mr. Cuba, to provide us a copy of the Agreement. Upon receipt of the Agreement, we will hopefully arrange a meeting with you and Mr. Cuba in January, 2005 in Phoenix, Arizona. I will be accompanied by Mr. Wilson Groen, General Manager, Navajo Nation Oil & Gas Company, Inc.

Please do not hesitate to contact me at (928) 871-6587 if you have any questions.

Sincerely,

Akhtar Zaman, Director
Minerals Department

AZ:cab

RECEIVED
JAN 06 2005

DIV. OF OIL, GAS & MINING

c: Mr. Michael Cuba, Stone Energy, L.L.C. (303) 685-8000
Mr. Arvin S. Trujillo, Executive Director, Division of Natural Resources
Mr. Wilson Groen, General Manager, Navajo Nation Oil & Gas Company, Inc.

Lease 14-20-603-229 includes the following wells:
Tohonadla #1, Tohonadla #2-35 & Tohonadla #23-35.
Lease 14-20-603-248 includes well: Desert Creek #2
Lease 14-20-603-270 includes well: Navajo Tribal 23-1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS PROGRAM

PHONE CONVERSATION DOCUMENTATION FORM

Conversation Pertains to:

✓ Copy? ☐

☐ WELL

☒ OTHER

10/27/2004 Operator change from Stone Energy to Matrix effective 6/1/2004 not approved by Navajo Nation

Section Township Range
API Number

Topic of Conversation: Correction of Operator on BIA leases per Navajo Nation

Date of Phone Call: 2/7/2005 Time: 1:30 pm

DOGM Employee (name): Earlene Russell

✓ Initiated Call? ☒

Spoke with:

Name: Pat Thompson of Matrix and Michael Cuba of Stone Energy

✓ Initiated Call? ☐

Of (company/organization): _____ Phone: _____

Highlights of Conversation:

Pat Thompson - Matrix Production (281) 265-1212 Navajo Nation exercised their rights of refusal for operator change and wouldn't recognize Matrix. (See letters Nov 16, 2004 and Dec 17, 2004.) Matrix has turned wells back to Stone Energy. They reported production for June and July 2004. Matrix considers the transfer never took place and has been refunded the sale funds by Stone Energy. She will keep DOGM apprised of BIA/Navajo decisions.

Michael Cuba - Stone Energy (303) 685-8045 or 1-800-873-2322 Stone is operating the five wells and preparing to transfer them to Navajo Nation Oil & Gas sometime in March, 2005. Mr. Cuba was not aware production was not being reported and will get reports submitted ASAP. He will keep DOGM apprised of transfer progress.

EAR discussed change back to Stone Energy with Don Staley. It was decided to show Stone Energy as operator from Aug 2004 until documents are received showing Navajo Nation Oil & Gas as operator.

3. FILE

Designation of Agent/Operator

Merger

8/1/2004

TO: (New Operator):
N1555-Stone Energy, LLC
1801 Broadway, Suite 700
Denver, CO 80202
Phone: 1-(303) 685-8000

Unit:

[illegible]

2/8/2005

6b. Inspections of LA PA state/fee well sites complete on: n/a

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA 1/6/2005

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 1/8/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 1/8/2005
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number:

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Navajo Nation exercised its first right of refusal on the operator change processed on 10/27/04 from Stone Energy to Matrix Production, effective 6/1/2004. See 11/16/2004 and 12/17/2004 letters from Navajo Nation. Matrix has returned the wells to Stone; therefore DOGM management will show Stone Energy as operator until the wells transfer to Navajo Nation Oil & Gas per Navajo Nation's decision. Matrix reported production and disposition for June and July 2004.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Various
2. NAME OF OPERATOR: Stone Energy, L.L.C. <i>N1555</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1801 Broadway, ste. 700 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 685-8000		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached list		8. WELL NAME and NUMBER: See Attached List
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: Various
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Various
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that Stone Energy, L.L.C. has resigned as operator of the wells referenced on the attached Exhibit "A" & "B." Effective date of the change is June 1, 2004.

Navajo Nation Oil and Gas Company, Inc. will be the new operator and will be responsible under the terms and conditions of the lease for the operations conducted on the leased lands or portions thereof. Navajo Nation Oil and Gas Company, Inc. operations will be covered by Bond # RLB 0006712.

Navajo Nation Oil and Gas Company, Inc.

By: *William G. KOEN*

Signature: *William G. KOEN*

Date: *24 June 2005*

Navajo Nation Oil and Gas Company, Inc.

Hwy 264 & Crest Road

St. Michaels, AZ 86511

N2550

NAME (PLEASE PRINT) <i>Tracy Opp</i>	TITLE <i>Regulatory Specialist</i>
SIGNATURE <i>Tracy Opp</i>	DATE <i>6/20/2005</i>

(This space for State use only)

APPROVED *7129105*

Earlene Russell

(5/2000)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

JUL 08 2005

DIV. OF OIL, GAS & MINING

EXHIBIT "B"
LEASES

Attached to and made a part of that certain Purchase and Sale Agreement dated effective at 7:00 a.m. MT, June 1, 2004,
by and between Stone Energy, L.L.C., Seller, and Navajo Nation Oil & Gas Company, Inc., Purchaser

PARADOX BASIN PROSPECTS / SAN JUAN COUNTY, UTAH

Prospect	Type Lease	Excalibur Lease No.	Lessor	Lessee	Lease Date	TWP	RGE	Sec.	Description	Recordation	
										Book	Page
DESERT CREEK	INDIAN	14040-00	BIA 14-20-603-248	SHELL OIL COMPANY	08/05/53	41S	23E	25 26 35 36	ALL ALL ALL ALL	T-7	759
TOHONADLA	INDIAN	14041-00	BIA 14-20-603-229	SHELL OIL COMPANY	08/05/53	41S	21E	25 26 35 36	ALL ALL ALL ALL	12	372
TOHONADLA	INDIAN	14042-00	BIA 14-20-603-270	CARTER OIL COMPANY	09/02/53	42S	21E	1 2	NW/4 NE/4	NA	NA

IT IS THE INTENT OF SELLER / ASSIGNOR TO CONVEY TO PURCHASER / ASSIGNEE ONE HUNDRED PERCENT (100%) OF SELLER'S / ASSIGNOR'S RIGHT, TITLE AND INTEREST INsofar AS IT COVERS THE WELLS AND LEASEHOLD INTERESTS AND ALL ACREAGE ATTRIBUTABLE TO THE BIA LEASES ASSIGNED HEREIN.

EXHIBIT "A"
WELLS

Attached to and made a part of that certain Purchase and Sale Agreement dated effective 7:00 a.m. MT, June 1, 2004,
by and between Stone Energy, L.L.C., Seller, and Navajo Nation Oil & Gas Company, Inc., Purchaser

API NO.	Well Name	Stone Field Name	State	County	Stone Well No.	Operator Name	Location	Well Location			Spacing Unit	BEFORE PAYOUT			AFTER PAYOUT	
								TWP. RGE.	SEC.	Description		WV BPO	OIL NRLEBO	GAS NRLEBO	IF W/NRI CHANGES WVARG	NRLEBO
43-037-15868	13 DESERT CREEK 2	DESERT CREEK	UT	SAN JUAN	UT4597.01	STONE ENERGY, L.L.C.	PARADOX	41S-23E	35	SE SE	T41S R23E SEC 35: E/2SE/4	0.900000	0.787500	0.787500		
43-037-15540	22 NAVAJO TRIBAL 23-1	TOHONADLA	UT	SAN JUAN	UT4672.01	STONE ENERGY, L.L.C.	PARADOX	42S - 21E	2	NE NE	T42S R21E SEC 2: E/2NE/4	1.000000	0.873446	0.873446		
43-037-15872	23 TOHONADLA 1	TOHONADLA	UT	SAN JUAN	UT4533.01	STONE ENERGY, L.L.C.	PARADOX	41S - 21E	35	SW SE	T41S R21E SEC 35: SE/4	1.000000	0.875000	0.875000		
43-037-31568	24 TOHONADLA 2-35	TOHONADLA	UT	SAN JUAN	UT4534.01	STONE ENERGY, L.L.C.	ISMAY / BARKER / DESERT CREEK	41S - 21E	35	SW NE	T41S R21E SEC 35: NE/4	1.000000	0.875000	0.875000		
43-037-15874	25 TOHONADLA 23-35	TOHONADLA	UT	SAN JUAN	UT4535.01	STONE ENERGY, L.L.C.	PARADOX	41S - 21E	35	NE SW	T41S R21E SEC 35: SW/4	1.000000	0.875000	0.875000		

IT IS THE INTENT OF SELLER / ASSIGNOR TO CONVEY TO PURCHASER / ASSIGNEE ONE HUNDRED PERCENT (100%) OF SELLER'S / ASSIGNOR'S RIGHT, TITLE AND INTEREST INsofar AS IT COVERS THE WELLS AND LEASEHOLD INTEREST AND ALL ACREAGE ATTRIBUTABLE TO THE BIA LEASES ASSIGNED HEREIN.

3. FILE

Designation of Agent/Operator

Merger

6/1/2005

Phone: 1-(928) 871-4899

Unit:

[illegible]

6b. Inspections of LA PA state/fee well sites complete on: n/a

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 7/29/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/29/2005
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB0006712

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 5

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Navajo Tract 23-1; Tohonadla; Desert Creek

LEASE NUMBER: 14-20-603-270; 14-20-603-229; 14-20-603-248

and hereby designates

NAME: ST Oil (operator #: 2190)

ADDRESS: 1801 Broadway, Suite 600

city Denver

state CO

zip 80202

as his (check one) agent ☒ operator ☒ with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

Oil Well	API Number	ENTITY
Navajo Tribal 23-1	4303715540	T 42S R 21E Sec 02
Desert Creek No. 2	4303715868	T 41S R 23E Sec 35
Tohonadla 1	4303715872	T 41S R 21E Sec 35
Tohonadla 23-35	4303715874	T 41S R 21E Sec 35
Tohonadla 2-35	4303731568	T 41S R 21E Sec 35

11202

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 10/1/2005

BY: (Name) Wilson Groen

(Signature) [Signature]

(Title) Chief Executive Officer

(Phone) (928) 871-4880

OF: (Company) Navajo Nation Oil & Gas, Inc.

(Address) P.O. Box 4439

city Window Rock

state AZ

zip 86515

RECEIVED

JAN 24 2006

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
 2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

9/2/2008

FROM: (Old Operator): N2190-A ST Oil Company 1660 Lincoln St, Suite 2100 Denver, CO 80264 Phone: 1 (303) 296-1908	TO: (New Operator): N3600-A Genesis ST Operating, LLC 1660 Lincoln St, Suite 2100 Denver, CO 80264 Phone: 1 (303) 296-1908
--	--

CA No.				Unit:				
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/8/2009
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/8/2009
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2009
- a. Is the new operator registered in the State of Utah: _____ Business Number: 7073743-0161
- a. (R649-9-2)Waste Management Plan has been received on: _____ Requested 7/16/09
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA Not Yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 7/16/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/16/2009
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: RLB0006712
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER _____

5. LEASE DESIGNATION AND SERIAL NUMBER:
VARIOUS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
NAVAJO

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
SEE ATTACHED LIST

2. NAME OF OPERATOR:
GENESIS ST OPERATING LLC N3600

9. API NUMBER:
VARIOUS

3. ADDRESS OF OPERATOR:
1660 LINCOLN, STE. 2100 CITY DENVER STATE CO ZIP 80264

PHONE NUMBER:
(303) 296-1908

10. FIELD AND POOL, OR WILDCAT:
VARIOUS

4. LOCATION OF WELL
FOOTAGES AT SURFACE: SEE ATTACHED LIST

COUNTY: SAN JUAN

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

DUE TO CORPORATE MERGER, GENESIS ST OPERATING LLC WILL TAKE OVER AS AGENT OPERATOR FROM ST OIL COMPANY EFFECTIVE 9-02-08.

↓ Bond No RLB0006712

ST OIL COMPANY N2190

NAME (PLEASE PRINT) SALLIE S. TIPPIE

TITLE MANAGING PARTNER

SIGNATURE

Sallie S. Tippie

DATE

7/6/09

(This space for State use only)

APPROVED 7/16/2009

Earlene Russell

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

JUL 08 2009

DIV. OF OIL, GAS & MINING

EXHIBIT ATTACHED TO SUNDRY NOTICE AND REPORT ON WELLS FOR
GENESIS ST OPERATING LLC

LEASE DESIGNATION AND SERIAL NO.	TRIBE NAME	WELL NAME AND NO.	API WELL NO.	FIELD	COUNTY	STATE	LOCATION OF WELL
BIA 14-20-603-270	NAVAJO	NAVAJO TRIBAL 23-1	4303715540	TOHONADLA	SAN JUAN	UT	660' FNL & 660' FEL (NE/4NE/4) SEC. 2-T42S-R21E
BIA 14-20-603-229	NAVAJO	TOHONADLA 1	4303715872	TOHONADLA	SAN JUAN	UT	660' FSL & 1980' FEL (SW/4SE/4) SEC. 35-T41S-R21E
BIA 14-20-603-229	NAVAJO	TOHONADLA 23-35	4303715874	TOHONADLA	SAN JUAN	UT	1981' FSL & 1978' FWL (NE/4SW/4 SEC. 35-T41S-R21E
BIA 14-20-603-229	NAVAJO	TOHONADLA 2-35	4303731588	TOHONADLA	SAN JUAN	UT	1550' FNL & 1320' FEL (S-NE) SEC. 35-T41S-R21E
BIA 14-20-603-248	NAVAJO	DESERT CREEK NO. 2	4303715868	DESERT CREEK	SAN JUAN	UT	600' FSL & 660' FEL (SE/4SE/4) SEC. 35-T41S-R23E

RECEIVED

JUL 08 2009

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2012

FROM: (Old Operator):
 N3600A-Genesis ST Operating LLC
 1660 Lincoln Street Ste 2100
 Denver CO 80264
 Phone: 1 (303) 296-1908

TO: (New Operator):
 N2550-Navajo Nation Oil & Gas CO Inc
 1675 Broadway Ste 1100
 Denver CO 80202
 Phone: 1 (928) 871-4880

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List (8 wells)								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 2/22/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/22/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/29/2012
- Is the new operator registered in the State of Utah: Business Number: 7407010-0147
- (R649-9-2)Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 2/29/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA Not Yet
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 2/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/29/2012
- Bond information entered in RBDMS on: N/A
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS: Designation of Agent return operations back to owner.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 5

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Tohonadla
LEASE NUMBER: Tribal No. 14-20-603-229

RECEIVED
FEB 22 2012
DIV. OF OIL, GAS & MINING

and hereby designates

NAME: Navajo Nation Oil & Gas CO., Inc
ADDRESS: 1675 Broadway, Suite 1100
city Denver state CO zip 80202

as his (check one) agent ☐ / operator ☒, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

Oil Well	API Number	Entity Number
Tohonadla 1	43-037-15872	11202
Tohonadla 2-35	43-037-31568	11202
Tohonadla 23-35	43-035-15874	11202
Tohonadla 35-P	43-035-50005	11202

Bond = RL30006712

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 01/01/2012

BY: (Name) Sallie S. Tippie
(Signature) *Sallie S. Tippie*
(Title) Managing Partner
(Phone) (303) 296-1908

OF: (Company) Genesis ST Operating LLC
(Address) 1660 Lincoln Street, Suite 2100
city Denver
state CO zip 80264

APPROVED 2/29/12
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/1/2010

FROM: (Old Operator): N2550- Navajo Oil & Gas Cp. 1625 Broadway, Suite 1100 Denver, CO 80202 Phone: 1 (303) 534-8300	TO: (New Operator): N3930- NNOGC Exploration & Production, LLC 1625 Broadway, Suite 1000 Denver, CO 80202 Phone: 1 (303)534-8300
---	--

CA No.				Unit:	N/A			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/19/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/19/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/31/2012
- 4a. Is the new operator registered in the State of Utah: _____ Business Number: 8399948-0165
- 5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
- 5b. Inspections of LA PA state/fee well sites complete on: 12/31/2102
- 5c. Reports current for Production/Disposition & Sundries on: 12/31/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA 8/1/2012
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/1/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/31/2102
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/31/2012
- Bond information entered in RBDMS on: 12/31/2012
- Fee/State wells attached to bond in RBDMS on: 12/31/2012
- Injection Projects to new operator in RBDMS on: 12/31/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: 12/31/2012

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API	Entity	Lease	Well Type	Well Status
TOHONADLA 26-OSCAR	26	410S	210E	4303750022		Indian	OW	APD
TOHONADLA 35-F	35	410S	210E	4303750024		Indian	OW	APD
TOHONADLA 2-G	02	420S	210E	4303750027		Indian	OW	APD
TOHONADLA 2-B	02	420S	210E	4303750028		Indian	OW	APD
TOHONADLA 1-C	01	420S	210E	4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02	420S	210E	4303750030		Indian	OW	APD
TOHONADLA 1-F	01	420S	210E	4303750031		Indian	OW	APD
TOHONADLA 2-H	02	420S	210E	4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01	420S	210E	4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35	410S	210E	4303750034		Indian	OW	APD
TOHONADLA 35-J	35	410S	210E	4303750035		Indian	OW	APD
UTE CANYON 25G-O	25	410S	210E	4303731913	18823	Indian	OW	DRL
TOHONADLA 35-B	35	410S	210E	4303750023	18824	Indian	OW	DRL
UTE CYN 23-INDIGO	23	410S	210E	4303731880		Indian	OW	LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
TOHONADLA 35-P	35	410S	210E	4303750005	11202	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	6230	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	PA
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining
c/o Rachel Medina
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RECEIVED
SEP 19 2012
DIV. OF OIL, GAS & MINING

RE: Change of Operator Name and Address for Wells

Dear Rachel,

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.
1675 Broadway, Suite 1100
Denver, CO 80202
(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

Katie Hynes
Associate Landman

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
Navajo Nation Oil & Gas Co.

3. ADDRESS OF OPERATOR:
1675 Broadway, Suite 1100 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 534-8300

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See Attached List

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
See Attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Navajo Nation

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
See Attached

9. API NUMBER:
Various

10. FIELD AND POOL, OR WILDCAT:
Various

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil and Gas Co. has registered its new entity with the State of Utah. The Operator Name and Address change applies to all wells currently operated by DOGm No. N2550 (see attachment).

The Utah Entity Number for the LLC is: 8399948-0165.

The new Entity is:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

NEW DOGm No.: 3930

Bond No. RLB0006712

Effective: July 10, 2010

NAME (PLEASE PRINT) Lauren Germinario TITLE Land Manager

SIGNATURE *Lauren Germinario* DATE 9/14/12

APPROVED

(This space for State use only)

DEC 31 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: P.O. Box 5069 CITY Window Rock STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 534-8300		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER: Various
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: Various
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil & Gas Co. has registered its new entity with the State of Utah. The name and address change applies to all the wells that have recently changed from RIM Southwest Corporation to Navajo Nation Oil & Gas Co. (DOGM No. N2550)

The Utah Entity Number for the LLC is: 8399948-0165

Note: A new DOGM No. has been applied for NNOGC Exploration and Production, LLC

Please see the attached list of wells that will now be operated by:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

All of these wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

NAME (PLEASE PRINT) Lauren Germinario	TITLE Land Manager
SIGNATURE <i>Lauren Germinario</i>	DATE 9/18/2012

(This space for State use only) **APPROVED**

DEC 31 2012

DIV. OIL GAS & MINING

BY: *Rachael Medina*

(See Instructions on Reverse Side)

RECEIVED
SEP 19 2012
DIV. OF OIL GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-229																														
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO																														
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC		7. UNIT or CA AGREEMENT NAME:																														
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202		8. WELL NAME and NUMBER: TOHONADLA 1																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 35 Township: 41.0S Range: 21.0E Meridian: S		9. API NUMBER: 43037158720000																														
PHONE NUMBER: 303 910-9525 Ext		9. FIELD and POOL or WILDCAT: TOHONADLA																														
COUNTY: SAN JUAN		STATE: UTAH																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/11/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input type="text" value="Venting"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Venting"/>
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<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Venting"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Requesting to continue venting the produced gas from the Tohonadla #1 well due to lack of sales infrastructure. This oil well has been venting since first production. Venting is expected to continue until a Right of Way is approved and appropriate infrastructure is in place for gathering. *BLM approved sundry notice on 04/29/2014.																																
Accepted by the Utah Division of Oil, Gas and Mining Date: _____ By: <u>Derek D. Quist</u> January 29, 2015																																
Please Review Attached Conditions of Approval																																
NAME (PLEASE PRINT) Racheal Dahozy	PHONE NUMBER 928-871-4880	TITLE Regulatory Analyst																														
SIGNATURE N/A	DATE 1/15/2015																															



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43037158720000

Amount is under the amount allowed by rule without approval (1800 mcf/month - R649-3-20.1.1). Any amount above this amount cannot be flared without further approval.

Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

MAR 14 2014

5. Lease Serial No.
14-20-603-2296. If Indian, Allottee or Tribe Name
NAVAJO

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
NNOGC EXPLORATION AND PRODUCTION, LLC3a. Address
P.O. BOX 4439
WINDOW ROCK, AZ 865113b. Phone No. (include area code)
928-871-4880

7. If Unit of C/A/Agreement, Name and/or No.

8. Well Name and No.
VARIOUS9. API Well No.
VARIOUS10. Field and Pool or Exploratory Area
TOHONADLA4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SECTION 35 TOWNSHIP 41 SOUTH, RANGE 21 EAST11. Country or Parish, State
SAN JUAN COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other VENT
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

WE WOULD LIKE TO REQUEST TO CONTINUE VENTING THE PRODUCED GAS FROM THE TOHONADLA TANK BATTERY DUE TO LACK OF SALES INFRASTRUCTURE. THESE OIL WELLS HAVE BEEN VENTING SINCE FIRST PRODUCTION. VENTING IS EXPECTED TO CONTINUE UNTIL A RIGHT OF WAY IS APPROVED AND APPROPRIATE INFRASTRUCTURE IS IN PLACE FOR GATHERING.

THE WELLS CONNECTED TO THE TANK BATTERY AND/OR ON THE 14-20-603-229 LEASE ARE:

TOHONADLA 35-P	43-037-50005	FIRST PRODUCTION 12/2010
TOHONADLA 2-35	43-037-31564	FIRST PRODUCTION 7/1991
TOHONADLA 23-35	43-037-15874	FIRST PRODUCTION 11/1958
TOHONADLA #1	43-037-15872	FIRST PRODUCTION 7/1958
TOHONADLA 35-B	43-037-50023	FIRST PRODUCTION 3/2013

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

RICHARD A. FERRIS

Title CHIEF OPERATIONS ENGINEER

Signature

Richard A. Ferris

Date 03/11/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Title

Pet. Eng.

Date

4/29/14

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

5-13-14

5-13-14